

Approved: CO

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USS COLE (DDG 67) DCTT BRIEF

- 1. GENERAL DESCRIPTION: During normal underway operations, Combat identifies incoming low slow flyers carrying Chemical gas. USS COLE passes through a chemical gas cloud, ship cannot correct course in time and must pass though the cloud.
- 2. OBJECTIVE: Training exercise for the crew in the use of CBR Defense.
- 3. Mode of training: Evaluation. General Quarters. (ORM Tenet: Supervise)
- 4. The training period will be between TBD.
- 5. FXP-4 Drill to be conducted during this training period:

MOB-D-15-SF

Chemical Attack

- 6. Degraded Equipment: None
- 7. Medical Training: None
- 8. LESSONS LEARNED LAST DRILL:
- 9. Repair party will be debriefed on <u>station</u> after the drill. DCTT debrief will be conducted <u>following the drill</u>.
- 0. DCTT/ Assignments:

T.CDR	(Q)
	(Q)
_	~ (Q)
GSMC	(Q)
HMCM	(Q)
PNC	(Q)
SKC	(Q)
GMC	(Q)
HT1	(Q)
MA1	(Q)
SHC	(Q)
STGM	(Q)
ENC	(Q)
DC1	(Q)
	(Q)
HMC THE	(Q)
	PNC SKC GMC HT1 MA1 SHC STGM

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- 11. SAFETY: (ORM Tenet: Assess risks vs benefits) DCTT MEMBERS ARE THE PRIMARY SAFETY OBSERVERS. DO NOT ALLOW UNSAFE PRACTICES TO OCCUR. IN THE EVENT A SAFETY HAZARD DOES OCCUR. THE DCTT MEMBER WILL "FREEZE THE DRILL" AND NOTIFY THE DCTT LEADER OF THE SITUATION. ONCE THE SAFETY OR PROBLEM HAS BEEN CORRECTED ALL DCTT MEMBERS WILL BE NOTIFIED TO CONTINUE THE DRILL. IN THE EVENT OF AN ACTUAL CASUALTY IN THE DRILL AREA, DCTT WILL PASS THE WORD "ACTUAL CASUALTY" AND INFORM THE DCTT LEADER OF THE SITUATION. ONLY IF PERSONNEL ARE NOT CORRECTLY HANDLING THE CASUALTY WILL DCTT ASSIST IN RESTORING THE CASUALTY. IF THE PERSONNEL INVOLVED ARE CORRECTLY RESTORING THE CASUALTY DCTT WILL EVALUATE THEIR ACTIONS. THE DCTT LEADER WILL DETERMINE WHETHER TO
- 12. (ORM Tenet: ID Hazards) Safety walk through will be conducted prior to commencing the drill. Safety walk through deficiencies will be corrected before commencing the drill. Notify DCTT Leader when complete.
- 13. DCTT Communications: DCTT WICS ITT1 channel.
- 14. SAFETY PRECAUTIONS: (ORM Tenet: Implement controls)
- A. -No water spray into vents, ship hull openings, weather deck electrical equipment or outlets.
- B. -No straight stream discharge from nozzles on weather decks.
- C. -Man rails/life lines must stay in place.
- D. -Set circle William prior to activating CMWD system.
- E. -No running, or straddling hoses.
- Hold hand rails going up and down ladders.
- Do not activate any installed firefighting systems or place the in-line educator suction apparatus in foam container.
- H. -Do not use ship's medical supplies for simulated casualties.
- I. -Observe personnel in ACPG Suits for signs of heat stress.
- 15. AUTHORIZED SIMULATIONS: (ORM Tenet: Evaluate control options)
- A. -Activation or energizing firefighting equipment.
- B. -Contaminated materials.
- C. -Activation of CMWD.
- D. -All hands dressing in ACPG suits (one per locker).
- E. -Using actual M256.
- F. -Setting Circle William
- G. -Distributing and installing unopened canisters.
- H. -Breaking out, prepositioning and issuing protective clothing, M-291 Decontamination kits and Medical supplies.
- Prepostioning and filling canteens.
- J. -Prepositioning spare clothing.
- K. -Striking down nonessential and absorbent materials.
- L. -Masking tape with M-8/9 written on it.

16. TIME LINE:

10PP LEVEL ONE - Set Readiness Condition III (if not set). Verify assignments to CBR Defense teams. Make MCU-2P gas masks available to new incomposite wis wi personnel.

MOPP LEVEL TWO - Ship enters op area of known or possible chemical threat. All hands required to maintain protective mask in carrier and on person. Modified Condition Zebra set throughout the ship. Test ships chemical alarm, Post M-8/9 paper and Operational Inspection of CMWD (simulated).

DCTT ACTION - Ensure all hands have protective mask on person (Hip carrier only) Ensure proper setting of mod-Z , proper posting of M8/M9 paper and Linsuring decon station personnel pre-position contamination supplies.

MOPP LEVEL THREE - Tactical signal received from battle group commander " WARNING YELLOW/CHEMICAL ATTACK PROBABLE" . All hands to General Quarters. Top side personnel proceed to ready shelter. Primary and Secondary decon station activated. CMWD activated intermittently (Actual on the 16th Simulated evry outher drill). All hands don CPO suits (Hood down, boots with gloves carried) (Simulated). Repair 5 fire party will be in FFE's and also one primary hose team in lockers 2 & 3.

DCTT ACTION - Dress out one person in CPO Suit per locker. (A external Monitor). Ensure that Repair Locker is aware of who dresses out in FFE's (lighting off of OBA's will be simulated). Ensure no personnel topside and monitors are monitoring M-8/9 Paper.

MOPP LEVEL FOUR - BGC " WARNING RED/CHEMICAL ATTACK IMMINENT'. All hands don Gas Mask secure CPO suit Hood and don gloves. Set Circle William Activate CMWDs continuously (Simulated). Monitor detection equipment.

DCTT ACTION - Ensure all personnel don mask properly and personnel in CPO Suits are dressed out properly. Verify Circle William with setters IAW CBR Bill (relax circle William after verification). Ensure monitors are monitoring M-8/9 paper.

CHEMICAL ATTACK T + 70

BMC DCTT ACTION - Disclose type of cloud and ensure alarm is sounded.

CLOUD - Ship passed through the chemical cloud.

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T+80 INTERNAL SURVEY - Monitors use routes IAW CBR Bill to check for contamination.

DCTT ACTION - DCTT verify routes.

T+100 EXTERNAL SURVEY - Monitors use routes IAW CBR Bill to check for contamination and make reports to bridge wing.

DCTT ACTION - DCTT verify routes. Disclose Blister agent at FWD Station 3 and AFT Station 3 to Monitors (Use training M-256).

T+115 DECON STATIONS - External monitors enter the decon stations.

(Rep 2 monitors, FWD Decon, and Rep 3 monitors report to primary decon. (AFT Decon))

DCTT ACTION - AFT. EXTERNAL DCTT stay with scrubbers. DECON STATION DCTT process external monitors through station, cut and save CPO suit for training.

T+130 Set Yoke

H+150 Secure from general Quarters

TOTAL ELAPSED TIME : 2.5 HOURS

OPERATIONAL RISK MANAGEMENT
- IDENTIFY HAZARDS
- ASSESS THE RISKS VS BENIFITS
- EVALUATE CONTROL OPTIONS
- SUPERVISE

EVOLUTION EVALUATION FORM

ROUTING
ITT LEADER
TEAM LEADER
EVALUATOR

ETT/DCTT/CSTT/STT/MTT	DATE:	
EVOLUTION/DRILL DESCRIPTION		
WATCHSTATION/ WATCHSTANDER_		
EVALUATOR		
WATCH EVALUATION: TRAINING/SATISFACTOTRAINING TEAM EVALUATION: TRAINING/SA	• *	ACTORY
1. CONTRARY TO COLE DIRECTIVES/INSTRU	CTIONS:	
2. OTHER PROCEDURAL DEFICIENCIES NOTE	D:	
3. COMMUNICATIONS:		
4. MATERIAL:		
5. TRAINING TEAM DEFICIENCIES:		
6. RECOMMENDATIONS:		

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DCTT	LDR:		Approved:	co_			Date:	15 Aug	00

USS COLE (DDG 67) DCTT BRIEF

- 1. GENERAL DESCRIPTION: ITT/DCTT brief. During Condition III steaming, an Air warfare operation drives the ship to General Quarters; 2 missiles hits result, 1 hit mid frame 366, and 1 hit Fwd frame 100, to the port side.
- 2. OBJECTIVE: Evaluation exercise for the crew in the use of damage control procedures.
- 3. Mode of training: Evaluation/training if needed. General Quarters. (ORM Tenet: Supervise)
- 4. The training period will be between TBD.

Manning battle stations MOB-D-3-SE Setting material condition (Zebra) MOB-D-11-SF Locating damage control fittings MOB-D-23-SF MOB-D-8-SF Major Conflagration Amputation FSO-M-6-SF Compound Fracture FSO-M-3-SF Burn FSO-M-11-SF Broken Jaw FSO-M-7-SF

- 6. Degraded Equipment: One NFTI I/P of being repaired by ET's. WIFCOM unreliable.
- 7. LESSONS LEARNED LAST DRILL: EVERYONE NEEDS TO HAVE ON THE PROPER BATTLEDRESS; WHEN USING THE WIFCOM/WICS WITH THE SCBA AMP THE SPEAKER NEEDS TO BE AT LEAST 12 INCHES FROM THE AMP, AND SPEAK SLOWLY AND CLEARLY; TWO PEOPLE TO LOWER A HATCH; SET CVHD BOUNDARIES WITHIN ALL FIRE BOUNDARIES; DOG HATCHES PROPERLY.
- 8. Repair party will be debriefed on the mess deck after the DCTT debrief, which will be conducted following the drill in the wardroom.

'CTT/ Assignments:

DCTT Leader (DCC)	LCDR		(Q)
DCO	LT		(U/I)
CCS	MSI	M. Indiana de la companya della companya della companya de la companya della comp	(Q) (U/I)
OOD	QM1		(Q)
Repair 2 Leader/lkr./SCBA sta	.DC1		(Q)
Repair 2 Scene	DC1		(Q)
Repair 2 Invest	SKC		(U/I)
Repair 2	GMC		(O)
Repair 2	PNC	•.	(U/I)
Repair 3 Leader/locker	HT1		(Q)
Repair 3 Scene	HT1		(Q)
Repair 3 Invest	SH1		(Q)
Repair 3	EMC	c	(U/I)
Repair 3 SCBA STA.	ENC :		(Q)
Repair 5 Leader/locker	STGC		(Q).
Repair 5 Rover	HMCM		(U/I)
Repair 5 Scene	GSCS		(Q)
Repair 5 Invest	IS1		(Q)
Repair 5	GSEC		(U/I)
Repiar 5	MA1		(Q)
Medical	HMC		(Q)
Medical	HN	, , ,	(U/I)
		•	

- 10. SAFETY: (ORM Tenet: Assess risks vs benefits) DCTT MEMBERS ARE THE PRIMARY SAFETY OBSERVERS. DO NOT ALLOW UNSAFE PRACTICES TO OCCUR. IN THE EVENT A SAFETY PODOES OCCUR, THE DCTT MEMBER WILL "FREEZE THE DRILL" AND NOTIFY THE DCTT ROTT RESITUATION. ONCE THE SAFETY ISSUE OR PROBLEM HAS BEEN CORRECTED, ALL DCTT MEMBERS WILL BE NOTIFIED TO CONTINUE THE DRILL. IN THE EVENT OF AN ACTUAL CASUALTY IN THE DRILL AREA, DCTT WILL PASS THE WORD "ACTUAL CASUALTY" AND INFORM THE DCTT LEADER OF THE SITUATION. ONLY IF PERSONNEL ARE INCORRECTLY HANDLING THE CASUALTY WILL DCTT ASSIST. IF THE PERSONNEL INVOLVED ARE CORRECTLY RESTORING THE CASUALTY DCTT WILL EVALUATE THEIR ACTIONS. THE DCTT LEADER WILL DETERMINE WHETHER TO CONTINUE WITH THE DRILL.
- 11. (ORM Tenet: ID Hazards) Safety walk through will be conducted prior to commencing the drill. Safety walk through deficiencies will be corrected before commencing the drill. Notify DCCT Leader when complete.
- 12. DCTT Communications: WICS CHANNEL ITT1

BAFETY PRECAUTIONS: (ORM Tenet: Implement controls)

- A. -No charged hoses inside electrical or electronic spaces.
- B. -Hatch pins must be in place prior to transiting hatch coaming.
- c. -Only one man on a ladder at a time, (when dressed in FFE.)
- D. -Do not leave CO2, AFFF or PKP bottles upright, untended or unstowed.
- E. -Required minimum personnel on charged hoses: 1 1/2 in. 3 persons,
 2 1/2 in. 5 persons.
- F. -Hearing protection must be worn by all personnel within 10 ft of an operating Ram fan.
- G. -Heat stress causalities will be handled immediately. Monitor for heat stress continually. If a heat stress condition occurs, remove person to cool area and inform CCS.
- H. -Charge fire hoses to the nozzle and DCTT will shut the plug valve.
- No running, or straddling hoses.
- J. -Smoke from smoke machine will be only as thick to conduct a safe training atmosphere (DCTT discretion).
- K. -4 Stretcher Bearers per stretcher when transporting causalty.

14. AUTHORIZED SIMULATIONS: (ORM Tenet: Evaluate control options)

- A. -Activation or energizing of firefighting equipment.
- B. -Smoke & fire symptoms.
- C. -Electrical isolation.
- D. -Overhaul of space.
- E. -Breaking of Draeger tubes.
- F. -Relaxing of FFEs and SCBA facepieces once Battle dress SAT, as briefed.
- -Food service personnel will continue meal prep if required.
- H. -Dewatering procedures.
- I. -Cutting locks on spaces containing fire boundaries.
- J. -Fuses from fuse panels will not be pulled unless actual emergency.
- K. -Only rake brought to the scene for overhaul.
- L. -Charged hoses will be bun-gee corded by DCTT (actual causalty removed).
 - -Activation of SCBAs and EEBDs as briefed.
- N. -No cutting of shoring or wedges except as briefed.
- O. -First Aid Supplies.

15. DCTT PROP LIST:

М.

- []A. -SMOKE Machine (Rep5 & 3 will use white rags)
- []B. -FIRE Red /White Rags
- []C. -H/J BUBBLE RAP
- []D. -R Plastic prop w/rag streamers and water spray
- []E. -C Strobe light
- []F -Medical Moulage
- []G. -C/D Picture
- []H. -H Cardboard (LARGE) / Plastic (SMALL)
 - I. -PFL Stick w/rag
 - J. -C Strobe light
 - K. -//// Metal plate
 - L. -Sagging Overhead White Sheet

M. -Buckling Bulkhead - plastic prop.

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16.	TIME LINE: EVENT	(All times are approximate)	
T=	0730-0800	DCTT safety walk thru	
1=	0730-0800	DCII Salety walk thru	
T=	-01	Plane Approach	
T=	. 0	GENERAL QUARTERS	•
T=	+7	Zebra Checks	•
T=	+15	missile hit Fwd and Aft.	
		aHit Alpha / Hit Bravo REP 3	
		bA Crew Training Room	
		cS Crew Training Room	•
		dA Berthing #7	
		e <u>S</u> Berthing #7	·
•		fH fr. 366 (Bulkhead)	
		g <u>H</u> fr. 366 (Deck)	
		REP 5 hC Log Rm.	
		iA Log Rm.	
		jS Log Rm.	
		kP RLL (fracture jaw/le	g)
		1R AFFF	
		REP 2	
		mA Berthing #1	
		nS Berthing #1 oA berthing #2	٠
		pS Berthing #2	
		qH fr. 100 (Bulkhead)	
		rH fr. 100 (Deck)	
r=	+35	Rep 2	
		aP Acess Person	
		(burn/amputation of hand)
r-	+75	Debrief on station.	
Γ=	+80	Set yoke restow all gear.	
[=	+90	Secure from GQ.	

OPERATIONAL RISK MANAGEMENT

- IDENTIFY HAZARDS
- ASSESS THE RISKS VS BENIFITS
 - EVALUATE CONTROL OPTIONS
 - SUPERVISE

REPAIR 2	REPAIR 3	REPAIR 5
MISSILE	MISSLE	NEAR-MISS
A COMPT. # 2-78-01-L Berthing #1	A COMPT. # 2-350-2-L Training Room	COMPT. # 1-258-3-Q Log Room
A COMPT. # 3-97-02-L Berthing #2	A COMPT. # 3-338-2-L Berthing 7	H/J FITTING # COMPT. #
<u>H</u> SIZE 3 FT COMPT. # 2-78-01-L FRAME 110	H SIZE 2 FT COMPT. # 2-350-2-L FRAME 250	COMPT. # 1-258-3-Q C WILL SPREADS TO AN A
<u>H</u> SIZE 3 FT COMPT. # 3-97-02-L FRAME 110	H SIZE 2 FT COMPT. # 3-338-2-L FRAME 250	R SYSTEM LOST AFFF COMP. # 1-174-01-L FRAME 180 (Port) COV 1-156-1, 1-195-1
S COLOR White COMPT. # 2-78-01-L Berthing #1	S COLOR White COMPT. # 2-350-2-L Training Room	
JR White COMPT. # 3-97-02-L Berthing #2	S COLOR White COMPT. # 3-338-2-L Berthing 7	S COLOR BLUE/WHITE COMPT. # 1-258-3-Q
P Access Person COMPT.# 2-78-01-L Fan Room Hand Amputation / Burn FB S 78	<u>FB</u> S 300	P Locker Leader COMPT.# 1-174-01-L passage Compound Fracture (L/Leg FB S 220
P 62 P 126 S 174 PROPS / REMARKS	P 338 P 350 S 370	P 254 P 300 S 338
SAG - Plastic SMOKE - Machine FIRE - Rag HOLE - Plastic R/PIPE - Plastic	PROPS / REMARKS PANT - Plastic SMOKE - machine FIRE - Rag HOLE - Plastic R/PIPE - Plastic	PROPS / REMARKS Fire - Rags Smoke - Rags H/J - Bubble Wrap
C/D - Picture	C/D - Picture DCTT	DCTT
s Noted on Brief	As Noted on Brief	As Noted on Brief

LUTION EVALUATION FORM

ROUTING
ITT LEADER
TEAM LEADER
EVALUATOR

ETT/DCTT/CSTT/STT/MTT	DATE:		
EVOLUTION/DRILL DESCRIPTION			
WATCHSTATION/ WATCHSTANDER			
EVALUATOR			
WATCH EVALUATION: TRAINING/SATISFACTORY/UNSAT	SISFACTORY		
TRAINING TEAM EVALUATION: TRAINING/SATISFACTO	RY/UNSATISF	ACTORY	•
1. CONTRARY TO COLE DIRECTIVES/INSTRUCTIONS:			
		•	
2. OTHER PROCEDURAL DEFICIENCIES NOTED:			
COMMUNICATIONS:			
4. MATERIAL: 1-3 Bric's - Longing H	65E, M185-	2 0-11,-15	(c) Harring 70
5. TRAINING TEAM DEFICIENCIES:			
6. RECOMMENDATIONS:			
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1/ PH 12-3			
Major			



Approved: Colina Ripol

Date: 20 Aut 00

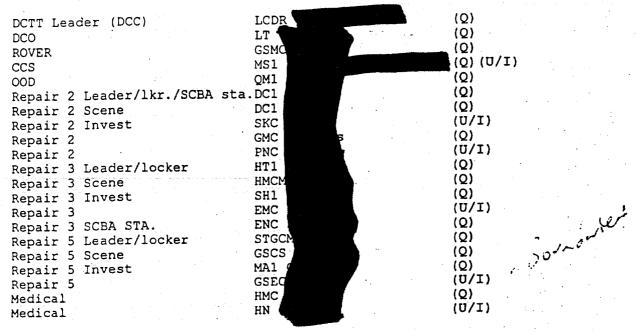
USS COLE (DDG 67) DCTT BRIEF

- 1. GENERAL DESCRIPTION: ITT/DCTT brief. During normal underway operations, an Air warfare operation drives the ship to General Quarters; 2 missiles hits, 1 hit mid frame 310 and 1 hit Fwd frame 110, to the port side.
- 2. OBJECTIVE: Evaluation exercise for the crew in the use of damage control procedures.
- 3. Mode of training: Evaluation/training if needed. General Quarters. (ORM Tenet: Supervise)
- 4. The training period will be between TBD.
- 5. FXP-4 Drill to be conducted during this training period:

MOB-D-3-SF Manning battle stations
MOB-D-11-SF Setting material condition (Zebra)
MOB-D-23-SF Locating damage control fittings
MOB-D-8-SF Major Conflagration
FSO-M-3-SF Compound Fracture
FSO-M-7-SF Broken Jaw

- 6. Degraded Equipment: WIFCOM unreliable.
- 7. LESSONS LEARNED LAST DRILL: EVERYONE NEEDS TO HAVE ON THE PROPER BATTLEDRESS; EMEFGENCY AIDE INJURED UNTIL MEDICAL HELP ARRIVES; EXPIDITE INSPECTION OF SURFCUNDING SPACES AND REPORT; TWO PEOPLE TO LOWER A HATCH; SET OVHD BOUNDARIES WITHIN ALL FIRE BOUNDARIES; DOG HATCHES PROPERLY.
- 8. Repair party will be debriefed on the mess deck after the DCTT debrief, which will be conducted following the drill in the wardroom.

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12. DCTT Communications: WICS CHANNEL

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Report Bent)

SAFETY PRECAUTIONS: (ORM Tenet: Implement controls)

- No charged hoses inside electrical or electronic spaces.
- -Hatch pins must be in place prior to transiting hatch coaming. 3.
- -Only one man on a ladder at a time, (when dressed in FFE.) c.
- -Do not leave CO2, AFFF or PKP bottles upright, untended or unstowed. D.
- -Required minimum personnel on charged hoses: 1 1/2 in. 3 persons, Ε. 2 1/2 in. - 5 persons.
- -Hearing protection must be worn by all personnel within 10 ft of an operating Ram fan.
- -Heat stress causalities will be handled immediately. Monitor for heat G. stress continually. If a heat stress condition occurs, remove person to cool area and inform CCS.
- -Charge fire hoses to the nozzle and DCTT will shut the plug valve.
- -No running, or straddling hoses.
- -Smoke from smoke machine will be only as thick to conduct a safe training atmosphere (DCTT discretion).
- -4 Stretcher Bearers per stretcher when transporting causalty.

14. AUTHORIZED SIMULATIONS: (ORM Tenet: Evaluate control options)

- -Activation or energizing of firefighting equipment. Α.
- -Smoke & fire symptoms. В.
- -Electrical isolation. c.
- -Overhaul of space. D.
- -Breaking of Draeger tubes. E.
- -Relaxing of FFEs and SCBA facepieces once Battle dress SAT, as briefed. F.
- -Food service personnel will continue meal prep if required. G
 - -Dewatering procedures.
 - -Cutting locks on spaces containing fire boundaries.
 - -Fuses from fuse panels will not be pulled unless actual emergency.
- -Only rake brought to the scene for overhaul. Κ.
- -Charged hoses will be bun-gee corded by DCTT (actual causalty removed). L.
- -Activation of SCBAs and EEBDs as briefed. М.
- -No cutting of shoring or wedges except as briefed. N.
- -Pirst Aid Supplies. Ο.

15. DCTT PROP LIST:

- -SMOKE Machine A.
- -FIRE Red /White Rags В.
- -H/J BUBBLE RAP C.
- -R Plastic prop w/rag streamers and water spray
- -<u>C</u> Strobe light E.
- -Medical Moulage
- -C/D Picture G.
- -H Cardboard (LARGE) / Plastic (SMALL) Ħ.
- -PFL Stick w/rag I.
- -C Strobe light J.
- -//// Metal plate Κ.
- L.
- -Sagging Overhead White Sheet -Buckling Bulkhead plastic prop. Μ.

6. TIME LINE: EVENT	(All times are approximate)	
€= 0800-0830	DCTT safety walk thru	
? = −01	Plane Approach	
r= 0	GENERAL QUARTERS	
?= +7	Zebra Checks	
ĉ= +15	missile hit Fwd and Aft.	and the second of the second o
Dorings for sca	OIC recharging stations	aHit Alpha / Hit Bravo REP 3 bA Berthing #3 cS Berthing #3 dA Berthing #5 eS Berthing #5 fH fr. 310 (Bulkhead) gH fr. 320 (Deck) REP 2 mFL Berthing #1 nPFL Berthing #2 oH fr. 110 (Bulkhead) pH fr. 110 (Deck)
₄		Rep 3 aP Acess Person
		Innalon 1981
T= +75	Debrief on station.	(Compound fracture/Broken Jaw)
T= +80	Set yoke restow all gear.	7 12 2 2
T= +90	Secure from GQ.	The state of the s
		> Smok pure to

OPERATIONAL RISK MANAGEMENT
- IDENTIFY HAZARDS
- ASSESS THE RISKS V8 BENIFITS
- EVALUATE CONTROL OPTIONS
- SUPERVISE

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TOLE DDG-67

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BATTLE DAMAGE

DATE

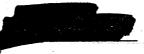
DEPART 2	REPAIR 3	REPAIR 5
REPAIR 2 MISSILE	MISSLE	
FL COMPT. # 2-78-1-L Berthing #1	A COMPT. # 2-300-1-L Berthing #3	
PFL COMPT. # 3-97-2-L Berthing #2	COMPT. # 3-310-2-L Berthing #5	
H SIZE 3 FT COMPT. # 2-78-1-L FRAME 110	H SIZE 2 FT COMPT. # 2-300-1-L FRAME 310	
H SIZE 3 FT COMPT. # 3-97-2-L	H SIZE 2 FT COMPT. # 3-310-2-L FRAME 320	
FRAME 110	_S COLOR White COMPT. # 2-300-1-L Berthing #3	
	_S COLOR White COMPT. # 3-310-2-L Berthing #5	
	P Access Person COMPT # 2-300-1-L Repair 3 Compound Fracture/Broke Jaw	
FLB SF 50 PF 78 PA 126 SA 174	FB SF 254 PF 300 PA 338 SA 370	
PROPS / REMARKS HOLE - Plastic C/D - Picture FL- Green Rags	PROPS / REMARKS SMOKE = Machine FIRE = Rag HOLE = Plastic C/D = Picture	
FLLVL- Stick DCTT	DCTT	DCTT As Noted on Brief
As Noted on Brief	As Noted on Brief	AS NOTED ON BITCH

EVC TON EVALUATION FORM

ROUTING ITT LEADER TEAM LEADER EVALUATOR	
ETT/DCTT/CSTT/STT/MTT DATE:	an earl e airte a duige e
EVOLUTION/DRILL DESCRIPTION	
WATCHSTATION/ WATCHSTANDER	
EVALUATOR	
WATCH EVALUATION: TRAINING/SATISFACTORY/UNSATISFACTORY	
TRAINING TEAM EVALUATION: TRAINING/SATISFACTORY/UNSATISFACTOR	Y
1. CONTRARY TO COLE DIRECTIVES/INSTRUCTIONS:	
2. OTHER PROCEDURAL DEFICIENCIES NOTED:	
3. MMUNICATIONS:	
4. MATERIAL:	
	<u>tanin 1900 kangan dan permenahan</u> Kabupatèn dan berandan beranda
5. TRAINING TEAM DEFICIENCIES:	
6. RECOMMENDATIONS:	



DCTT LDR:



Approved: COKURA (R)

USS COLE (DDG 67) DCTT BRIEF MAIN SPACE FIRE DRILL (U/W)

Compt 4-254-0-E Noun Name MER 2 Date: 18 AuG-00

- 1. GENERAL DESCRIPTION: During normal underway operations, a flammable liquid leak/spray is discovered in NR 2 Main Engine Room, resulting in a major class "B" fire. The EOOW directs space isolation and initial fire fighting efforts. The ERO/PSM/ARO attempt to combat the fire. The fire is declared out of control and the space is evacuated. Primary HALON is activated which is evaluated as good/bad. If bad, Scene Leader activates reserve HALON which is evaluated as good/bad. The fire party must/does not need to enter the space to combat the fire.
- 2. OBJECTIVE: Training/Evaluation. General Quarters. (ORM Tenet: Supervise)
- 3. FXP-4 Drill to be conducted during this training period:

MOB-D-3-SF Manning Battle Stations

MOB-D-9-SF Main Space Fire Drill

MOB-D-11-SF Setting Material Condition (Yoke and Zebra)

MOB-D-23-SF Locating DC Fittings

The training period will be between TBD.

- 5. LESSONS LEARNED LAST DRILL: Desmoking IAW MSFD. Use standard phraseology during communications. Plugman needs to bring AFFF to the scene. Flake fire hoses properly prior to charging. Establish fire boundaries.
- 6 Lockers will be debriefed at Repair lockers after the DCTT debrief. DCTT debrief will be conducted following the drill in the Wardroom.
- 7. DCTT/ETT Assignments:

7.75	LCDR	(Q)
DCCT Leader (DCC)	MS1	(Q) (U/I)
DCC OOD	QM1	(Q)
Scene Leader	DC1	(Q)
#1 Hose	GMC -	(Q)
#2 Hose	SKC	(Q)
In Space #1	GSMC	(Q)
	DC1	(Q)
In Space #2	SHI	(Q)
	GSEC	(U/I)
Investigators	IS1	(Q)
	FCC	(ロノエ)ーン かいか か いくといい
Boundrymen	STGC	(Q)
Electrical Isolation	EMC	(Q)
Mechanical Isolation	HT1	(Q)
BACS	ENC	(Q)
AFFF Operator	PNC	(Q)
Medical	HMC C	(Q)
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8. SAFETY: (ORM Tenet: Assess risks vs benefits) ETT/DCTT MEMBERS ARE THE PRIMARY SAFETY OBSERVERS. DO NOT ALLOW UNSAFE PRACTICES TO OCCUR. IN THE EVENT A SAFETY HAZARD DOES OCCUR, THE ETT/DCTT MEMBER WILL CORRECT THE SAFETY VIOLATION AND NOTIFY THE ETT/DCTT LEADER OF THE SITUATION. IN THE EVENT OF AN ACTUAL CASUALTY IN THE DRILL AREA, ETT/DCTT WILL PASS THE WORD "ACTUAL CASUALTY" AND INFORM THE ETT/DCTT LEADER OF THE SITUATION. ETT/DCTT WILL ALLOW WATCH STANDERS TO HANDLE THE ACTUAL CASUALTY. IN THE EVENT WATCH STANDERS DO NOT HANDLE THE ACTUAL CASUALTY, THE ETT/DCTT WILL STEP IN AND TAKE CORRECTIVE ACTION. THE ETT/DCTT LEADER WILL DETERMINE WHETHER TO CONTINUE WITH THE DRILL.

- 9. SAFETY PRECAUTIONS: (ORM Tenet: Implement controls)
- A. Observe personnel dressed out in fire fighting ensembles for signs of heat stress.
- B. Ensure hoses are charged and then secured at the plug and that electrical equipment is not hosed down.
- C. Ensure SCBA cylinders are properly secured when not in use.
- D. No running.
- E. No straddling of hoses.
- F. Two or more people lifting/lowering water tight hatches.
- G. No leaving CO2 or PKP bottles upright untended or unstowed.
- H. No overriding or bypassing safety interlocks.
- I. No loose deck plates, which must have at least two bolts per deck plate.
- J. Ensure personnel wear proper hearing protection.
- K. Ensure personnel remain clear of rotating shafts or machinery.
- L. Do not work on live (energized) electrical equipment without the Commanding Officer's permission and only per NSTM 300.
- 10. (ORM Tenet: ID Hazards) Safety walk through has been/will be conducted immediately prior to commencing the drill. Safety walk through deficiencies will be corrected before commencing the drill.
- 11. Heat stress survey to be conducted prior to commencement of drill.

Follow	on	survey	due:	•

12. DCTT Communications: WICS channel ITT1.

PART I: ETT

SCENARIO: A major fuel leak develops in MER 2 LL (4-254-0-E), AFT/Centerline at the #2X Fuel Oil Service Pump (36/72 gpm @ 105 psi) inlet to the discharge gage cutout valve. The leak may be isolated locally in MER 2 LL by securing #2ABF/O service pump locally or remotely. After the response team has demonstrated the proper initial actions in flushing and covering the fire hazard, DCTT will flash into a fire. The ignition source will be the #2ABF/O Service Pump motor.

Method of Imposing Casualty: ETT will initiate drill by giving F/O smell to watch standers.

Method of Imposing Leak: Smell of fuel oil from sample bottle. Spray water from spray bottle and yellow rags to show leak.

Proper initial actions observed by ETT/DCTT for the leak are:

- Report leak to CCS (location, size)
- EOOW recommend OOD sound General Quarters and pass word for a major fuel/lube oil leak in MER 2.
- EOOW follows EOCC/MSFD procedures for a major fuel oil/lube oil leak.
- Isolate the leak/deflect leak away from the heat source. Secure #2A Fuel Oil Service Pump.
- Obtain and shoulder an EEBD.
- Secure heat sources/operating equipment.
- Activate AFFF bilge sprinkling for 1 minute.

Method of Imposing: WATCHSTANDER WILL PUSH AFFF BILGE SPRINKLING BUTTON.

- Activate AFFF hose reels to flush flammable liquid to the bilge. When watch stander(s) test AFFF agent, SPACE ETT will disclose AFFF check SAT/UNSAT.

Method of Imposing: AFFF-ZIP LOCK BAG OF WHITE STYROFOAM PEANUTS.

- Deploy PKP extinguishers to the scene. <u>SPACE_ETT will disclose agent</u> check SAT/UNSAT.

Method of Imposing: purple rag in zip-lock bag.

NOTE: AFFF DCTT will place AFFF station in Re-circulation. Once the AFFF station is activated, AFFF DCTT will secure motor locally to minimize wear and tear on the isolation valve. In the event of actual casualty AFFF DCTT will place station back in normal operation. AFFF flow rate:

MER 2 460 gpm/26 sprinkler heads = 27.5 gallons of AFFF per minute 190 gmm/2-95 gpm nozzles = 11.5 gallons of AFFF (simulate) 5 gallons of AFFF per flag = approx 5 flags per minute (bilge spr) = approx 1 flag per minute per nozzle

- Apply AFFF to flush flammable liquid to the bilge.

When the SPACE ETT is satisfied with the watch standers initial actions and the flammable liquid is being flushed into the bilges, the SPACE DCTT will disclose to the SPACE watch that a fire has broken out in the bilges.

Method of Imposing: RED RAG TO INDICATE FIRE. BLACK RAG TO INDICATE SMOKE.

PLANT STATUS

PLANT READINESS (MODE)	FULL	SPLIT.	IRAIL	AUX C	יאו עיוט.		
GAS TURBINE ENGINES	1A	1B	2A	2B	-	* · · · ·	
GAS TURBINE GENERATORS	1	2	3 //(SPLIT	PLANT	PARALL	EL
A/C PLANTS	1	2	3	4			
L/O SERVICE PUMPS	1A	(IB)	2A	(2B)	•		
F/O SERVICE PUMPS	1 A	(B)	2A	(2B)		•	
SEAWATER SERVICE PUMPS	1	(2)	3	4	(§)	1 + m + m +	·
FIRE PUMPS	1	(2)	, 3	4	(3)	6	
L/O PURIFIERS	1	②			to di Li		
F/O PURIFIERS/XFR PUMPS	1	2	÷.	•	•		
HPAC/HPAD'S	#1	AUTO/M	•		#2 (A	UTO / MA	NUAL)
PACS				20 1(125)			
	(#2/	(115/120	•				
	(# 3)	(115)/ 120) / 125)				
LPAD'S		$\binom{2}{2}$	3	4			
F/O SERVICE TANK ON SUCTION	(TA)	1B	2A	(2B)	•		•
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PART II: DCTT

SEQUENCE OF EVENTS:

1. SPACE ETT/DCTT will disclose that the fire is increasing in intensity. The fire will continue to grow to the point that it is out of control and evacuation is necessary.

Method of Imposing: ADVANCE ON WATCHSTANDERS WITH RED AND BLACK RAGS.

2. Upon evacuating the space, watch stander will demonstrate SEED (by reaching for it and shouting out "activating SEED") and don a(n) training

NOTE: MECHANICAL ISOLATION DCTT and ELECTRICAL ISOLATION DCTT will check for mechanical and electrical isolation of systems in the space. DCA/Scene Leader will make the decision to electrically isolate space lighting based on space conditions and if HALON bad scenario develops because of watch standers' actions.

Method of Imposition: As Found.

If HALON bad, Team leader/investigators will see sparks from strobe light. After electrical isolation has been verified by IN SPACE DCTT, Electrical Isolation DCTT will restore lighting to the space. Electrical isolation will be complete with the following exceptions:

#2 SCU 2A/2B IECs IVCS jack boxes/phones #2 NBPS WOT (5-220-1-F)TLI2A/2GTG Blow in door heater Halon indicators

#2 GTG LOCOP 1MC and 1MC lighting

NOTE: After watch standers evacuate the space, ETT/DCTT will check that the following actions are being completed:

- A. Securing of hatch to the space (setting Zebra).
- B. Pulling of emergency trips.
- C. Accounting for evacuees.
- D. Activation of bilge sprinkling.
- E. HALON activated, insure discharge, open bypass if necessary.

NOTE: DCTT will check that watch standers report to CCS.

3. Halon activation/ventilation trip will be disclosed by OSL DCTT manually by operating the sensor when a watch stander activates the system.

Method of Imposing: ACTIVATION OF CO2 BOTTLE PROP. DCTT LIFTING OF PNEUMATIC SWITCHES.

NOTE: HALON may be activated from either the affected space or from the DC Deck. In the event that it is activated from the space, the IN SPACE DCTT will prevent the watch stander from ACTUALLY charging the system and will report to the OSL DCTT so that he can activate alarms.

NOTE: IN SPACE DCTT will check for in space alarm activation (lights, horn) and ventilation shut-down. DCC DCTT check activation and vent shut-down alarms in CCS.

4. Primary HALON activation/discharge will be: (choose)

- 4. Primary HALON activation/discharge will be: (choose)
 - A. GOOD provided watch stander actions are correct (DC deck access closed and dogged down; all module doors and other fittings open to outside atmosphere are closed). This will be disclosed with a white disk held in view port. Fire party will wait for a minimum 15 minute soak time and then reenter space. If watch stander actions are incorrect, then indicate HALON BAD.
 - B. BAD is indicated with a black disk by DCTT (this will require Reserve HALON to be activated when determined by OSL). DCTT will disclose to OSL that primary HALON failed due to a ruptured pipe downstream of the time delay. Additionally, if HALON is BAD, no indication of HALON release will be seen on DC Console and outside the affected space after 60 seconds. If reserve HALON is GOOD as disclosed by DCTT, then a white disk will be displayed. Fire Party will wait for a minimum 15 minute soak time and then reenter space.
- C. BAD as indicated with a black disk by DCTT. When determined by OSL, reserve HALON will be activated but will be disclosed by DCTT as BAD with no indication on DC Console or on bulkhead outside the affected space after 60 seconds. Fire party will then enter the space.

Method of Imposing for (BAD): Primary Halon-No lifting of pneumatic switches (bad CO2 Bottle). Reserve Halon-Lifting pneumatic switches but no discharge switch (bad time delay). If watch stander attempts to open bypass alve DCTT will give valve handle to watch stander (broken valve).

NOTE: (GOOD scenario only) If personnel fail to activate HALON or close up the space properly as determined by the DCTT, then HALON will be BAD (DCTT props will change accordingly). The fire party shall enter the space and fight the fire. They should demonstrate their ability in hose handling, team coordination, communication, knowledge of major equipment location, and overhauling the fire.

5. When BOUNDARY DCTT is satisfied with the level of knowledge and proficiency of the fire boundary setters, he will disclose boundaries are hot for bad scenario cool for good.

Method of Imposing: (Bad) Gray BUBBLE WRAP / (Good) as found

6. One investigator will transit down the escape trunk to investigate the status of HALON. The other investigator will remain on the DC Deck. They will report conditions as found to the Scene Leader and Repair Party Leader. Once the smoke and fire boundaries, OOD, Scene Leader and investigators have reported conditions of the fire, the DCA shall make the call that HALON is GOOD/BAD.

Method of Imposing: (BAD) Black disk in view port/ hot boundaries/ black smoke from vents--OOD/ hot door--Scene Leader/ strobe light in L/L view port (GOOD) white disk in view port

7. Scene Leader energizes bilge sprinkling for an additional 2 minutes. At the conclusion of the 2 minute period, the Scene Leader will secure the bilge sprinkling system.

- . #1 HOSE DCTT will prevent #1 plug man from activating AFFF hose reel.
- 9. #2 HOSE DCTT will remove Inline Eductor hose from AFFF can before charging the hose and secure #2 hose at the FIRE PLUG AFTER #2 HOSE has been charged.
- 10. SCBA control will be maintained by the DCTT at the SCENE. all Personnel who will actually activate an SCBA.
- 11. When the team tests the agent, On Scene DCTT will disclose agent check. SAT.

Method of Imposing: AFFF - ZIP LOCK BAG WITH WHITE STYROFOAM PEANUTS.

12. When access man checks hatch for heat, On Scene DCTT will disclose a HOT hatch for bad scenario or cool for good.

Method of Im	posing: (BAD)	GRAY	BUBBLE	WRAP/	(GOOD)	AS FO	UND	
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13. As the fire party enters the space IN SPACE DCTT will disclose smoke is in the space.

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Method of	Imposing:	Smoke	generator		
			The second secon	and the second s	

14. When all readily visible flames have disappeared, the team leader will declare "Fire Out, Re-flash Watch Set".

Method of Imposing: RED AND BLACK RAGS BEHIND THE BACK.

5. As the team leader investigates the space for Hot Spots/Hang Fires using ne NFTI, IN SPACE DCTT will disclose $\underline{1}$ Hot Spot(s)/Hang Fire(s).

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		T	canteen w	i+h	hot	water	
method	OI	Imposing:	 Canteen w.	1 	1100	warer.	

16. When Team Leader checks bilge for AFFF coverage. IN SPACE DCCT discloses there is a vapor lock on all bilge surfaces.

	-		tilita about lassing in hilms	
Mathad	~ ~	Imposing:	White sheet laying in bilge	
			11112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

17. When overhaul gear and second hose team enters the space and reaches lower level, the IN SPACE DCTT will disclose the fire is overhauled.

Method of Imposing: Team Leader will instruct hose teams how overhaul will be conducted in space. Overhaul will be complete when all bilge surfaces are vapor secured.

18. DCA orders desmoking procedures for the affected space, <u>IN SPACE</u> DCTT will determine Fire Team's knowledge of desmoking procedures as space is desmoked.

Method of Imposing: DESMOKING OF SPACE USING POSITIVE VENTILATION.

- 19. Gas Free Petty Officer will calibrate the atmospheric test gear on main deck. He will be questioned by DCTT regarding knowledge of equipment and procedures.
- 20. Once desmoking is complete, DCTT will stop drill and debrief on station.

SYMPTOMS

A. LEAK:

- (1) High bilge level alarm.
- (2) Low tank level alarm.
- (3) Smell of fuel/lube oil in space.
- (4) Flammable liquid in bilge.
- (5) Faulty flange/piping/flex hose/mechanical seal.

B. FIRE:

- (1) Smoke and flames in space.
- (2) Smoke and fire alarms.
- (3) Hot Hatch, Hot Bulkhead.

22. CAUSES

- A. Major lube oil leak.
- B. Major fuel oil leak.
- C. Electrical fire.

AUTHORIZED DISCLOSURES: 23.

- -Lifting of sensor alarms to indicate flooding. 1.
- -Opening of F/O Unloader By-pass Vlv for loss of F/O pressure.
- -Spray bottle with yellow rag indicating Fuel Oil/Lube Oil leak. 2. 3.
- -Yellow rag on deck indicating Fuel Oil/Lube Oil on deck.
- -Fire out of control: Waving red rag vigorously over head. 4. < .
 - -Fire contained: Rags waved at waist level.
 - -Fire out: Rags placed behind back.
- -Halon flooding indications: Activation of appropriate pressure 8. switches.
- -Dropping AFFF tank level: Using magnet/tape on sight glass. 9.
- -Hot bulkhead or door disclosed by placing bubble wrap on bulkhead or 10. Door.
- -Rags placed in bilge for hazard being flushed to bilge. 11.
- -Alarm indications in CCS. 12.
- -Halon good indication: No disk/white disk placed at portholes.
- -Halon bad indication: Black disk placed at portholes. 13. 14.
- -Zip lock bag with purple rag indicates PKP test satisfactory. 15.
- -Zip lock bag with white styrofoam peanuts on deck for AFFF hose test. 16.
- -Tap on PKP bottle for empty bottle. 17.
- -Apply stickies with handwritten notes to disclose various parameters to 18. CCS/EDO.
- -Apply strip of masking tape to locks simulated cut.
- -Desmoking complete, (no actual smoke) removal of black rags on hanger. 19.
- -AFFF fake activator buttons over actual button covers. 20. 21.
- -Halon 5LB co2 bottle prop. 22.

- 23. AUTHORIZED SIMULATIONS: (ORM Tenet: Evaluate control options)
- -Activation or energizing firefighting equipment as briefed.
- 2. -Lightoff of SCBAs and EEBDs except as briefed.
- 3. -Maneuvering the ship to minimize smoke re-ingestion.
- 4. -Smoke observations by the OOD
- 5. -Halon 15 min. soak time.
- 6. -Fuel Oil/Lube Oil leak..
- 7. -Liquid in bilge.
- 8. -Smoke & fire symptoms.
- 9. -Electrical & mechanical isolation as briefed.
- 10. -Rake will be only overhaul gear item taken into space.
- 11. -Overhaul of space.
- 12. -Starting and stopping of engineering equipment, except as authorized by ETT/DCTT.
- 13. -Breaking of Draeger tubes.
- 14. -Open Repair Lockers 2, 3, and 5 prior to drill.
- 15. -Relaxing of FFEs and SCBA facepieces once Battle dress sat as briefed.
- 16. -Food service personnel will continue meal prep if required.
- 17. -Dewatering procedures.
- 18. -Cutting locks on spaces containing fire boundaries.
- 19. -Bolt cutters will be taped over during drill.
- 20. -Charging hoses as briefed.
- 21. -Charged hoses will be closed by taped/bungee cord by DCTT (actual casualty removed.)
- 22. -Setting positive and negative ventilation.
- 23. -CCS starting standby GTG.
- 24. -CCS watch isolation of EPCC Fuses as briefed.
- 25. -Muster non-duty section personnel.
- 26. -Fuses from fuse panels will not be pulled unless actual emergency.
 A tag will be hung indicating fuse was pulled.

OPERATIONAL RISK MANAGEMENT

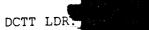
- IDENTIFY HAZARDS
- ASSESS THE RISKS VS BENIFITS
 - EVALUATE CONTROL OPTIONS
 - SUPERVISE

EVOLUTION EVALUATION FORM

ROUTING
ITT LEADER
TEAM LEADER
EVALUATOR

ETT/DCTT/CSTT/STT/MTT EVOLUTION/DRILL DESCR		DATE:		
WATCHSTATION/ WATCHST	ANDER			
WATCH EVALUATION: TR TRAINING TEAM EVALUAT	AINING/SATIS <mark>FACTORY/</mark> ION: TRAINING/SATIS	unsatisfactory factory/unsatisfact	'ORY	
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Approved: CO

USS COLE (DDG 67)

DCTT BRIEF

MAIN SPACE FIRE DRILL (U/W)

4-174-0-E

Noun Name MER 1 Date: The Date:

GENERAL DESCRIPTION: During normal underway operations, a flammable liquid leak/spray is discovered in NR 1 Main Engine Room, resulting in a major class "B" fire. The EOOW directs space isolation and initial fire fighting efforts. The ERO/PSM/ARO attempt to combat the fire. The fire is declared out of control and the space is evacuated. Primary HALON is activated which is evaluated as good bad. If bad, Scene Leader activates reserve HALON which is evaluated as good bad. The fire party must/does not need to enter the space to combat the fire.

OBJECTIVE: Training Evaluation General Quarters. (ORM Tenet: Supervise)

3. FXP-4 Drill to be conducted during this training period:

MOB-D-3-SF

Manning Battle Stations

MOB-D-9-SF

Main Space Fire Drill

MOB-D-11-SF

Setting Material Condition (Yoke and Zebra)

Locating DC Fittings MOB-D-23-SF

The training period will be between TBD.

LESSONS LEARNED LAST DRILL: OSL needs to know space layout and establish choke points. Ensure investigators correctly identify halon on release panel Quickly and correctly establish fire boundaries and report.

6 Lockers will be debriefed at Repair lockers after the DCTT debrief. DCTT debrief will be conducted following the drill in the Wardroom.

DCTT/ETT Assignments:

DCCT Leader (DCC)

DCC

Rover

OOD

Scene Leader

Locker Leader

#1 Hose

#2 Hose

In Space #1

In Space #2

Investigators

Boundrymen

Electrical Isolation

Mechanical Isolation

AFFF Operator

Medical

ETT Leader

SPACE ETT

LCDR (Q) (Q) MS1 (Q) GSMC (Q) QMC (Q) DC1 (Q) HMCM' (Q) GMC (Q) SKC (Q) DC1 (Q) SHC (Q) MAl (Q) STGCM (Q) ENC EMC (Q) (Q) HT1 (Q) PNC (Q) HMC (Q) LT **GSCS** (Q)

SAFETY: (ORM Tenet: Assess risks vs benefits) ETT/DCTT MEMBERS ARE THE IMARY SAFETY OBSERVERS. DO NOT ALLOW UNSAFE PRACTICES TO OCCUR. IN THE EVENT A SAFETY HAZARD DOES OCCUR, THE ETT/DCTT MEMBER WILL CORRECT THE SAFETY VIOLATION AND NOTIFY THE ETT/DCTT LEADER OF THE SITUATION. IN THE EVENT OF AN ACTUAL CASUALTY IN THE DRILL AREA, ETT/DCTT WILL PASS THE WORD "ACTUAL CASUALTY" AND INFORM THE ETT/DCTT LEADER OF THE SITUATION. ETT/DCTT WILL ALLOW WATCH STANDERS TO HANDLE THE ACTUAL CASUALTY. IN THE EVENT WATCH STANDERS DO NOT HANDLE THE ACTUAL CASUALTY, THE ETT/DCTT WILL STEP IN AND TAKE CORRECTIVE ACTION. THE ETT/DCTT LEADER WILL DETERMINE WHETHER TO CONTINUE WITH THE DRILL.

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- Observe personnel dressed out in fire fighting ensembles for signs of À. heat stress.
- Ensure hoses are charged and then secured at the plug and that В. electrical equipment is not hosed down.
- Ensure SCBA cylinders are properly secured when not in use. C.
- No running. D.
- No straddling of hoses. E.
- Two or more people lifting/lowering water tight hatches. F.
- No leaving CO2 or PKP bottles upright untended or unstowed. G.
- No overriding or bypassing safety interlocks. н.
- No loose deck plates, which must have at least two bolts per deck plate.
- Ensure personnel wear proper hearing protection. I.
- Ensure personnel remain clear of rotating shafts or machinery. J. K.
- Do not work on live (energized) electrical equipment without the Commanding Officer's permission and only per NSTM 300. L.
- J. (ORM Tenet: ID Hazards) Safety walk through has been/will be conducted immediately prior to commencing the drill. Safety walk through deficiencies will be corrected before commencing the drill.
- Heat stress survey to be conducted prior to commencement of drill.

Follow on survey due:

12. DCTT Communications: WICS channel ITT1.

PART I: ETT

SCENARIO: A major fuel leak develops in MER 1 LL (4-174-0-E), AFT/Centerline at the #1A Fuel Oil Service Pump (36/72 gpm @ 105 psi) inlet to the discharge gage cutout valve. The leak may be isolated by securing #1A F/O service pump locally or remotely. After the response team has demonstrated the proper initial actions in flushing and covering the fire hazard, DCTT will flash into a fire. The ignition source will be the #1A F/O Service Pump motor.

Method of Imposing Casualty: ETT will initiate drill by giving F/O smell to watch standers.

Method of Imposing Leak: Smell of fuel oil from sample bottle. Spray water from spray bottle and yellow rags to show leak.

Proper initial actions observed by ETT/DCTT for the leak are:

- Report leak to CCS (location, size)

- EOOW recommend OOD sound General Quarters and pass word for a major fuel/lube oil leak in MER 1.
- EOOW follows EOCC/MSFD procedures for a major fuel oil/lube oil leak.
- Isolate the leak/deflect leak away from the heat source. Secure #2A Fuel Oil Service Pump.

- Obtain and shoulder an EEBD.

- Secure heat sources/operating equipment.

- Activate AFFF bilge sprinkling for 1 minute.

Method of Imposing: WATCHSTANDER WILL PUSH AFFF BILGE SPRINKLING BUTTON.

- Activate AFFF hose reels to flush flammable liquid to the bilge. When watch stander(s) test AFFF agent, SPACE ETT will disclose AFFF check SAT/UNSAT.

Method of Imposing: AFFF-ZIP LOCK BAG OF WHITE STYROFOAM PEANUTS.

- Deploy PKP extinguishers to the scene. SPACE ETT will disclose agent check SAT/UNSAT.

Method of Imposing: purple rag in zip-lock bag.

NOTE: AFFF DCTT will place AFFF station in Re-circulation. Once the AFFF station is activated, AFFF DCTT will secure motor locally to minimize wear and tear on the isolation valve. In the event of actual casualty AFFF DCTT will place station back in normal operation. AFFF flow rate:

ER 2

460 gpm/26 sprinkler heads = 27.5 gallons of AFFF per minute

190 gmm/2-95 gpm nozzles = 11.5 gallons of AFFF (simulate)

5 gallons of AFFF per flag = approx 5 flags per minute (bilge spr)

= approx 1 flag per minute per nozzle

- Apply AFFF to flush flammable liquid to the bilge.

When the SPACE ETT is satisfied with the watch standers initial actions and the flammable liquid is being flushed into the bilges, the SPACE DCTT will disclose to the SPACE watch that a fire has broken out in the bilges.

Method of Imposing: RED RAG TO INDICATE FIRE. BLACK RAG TO INDICATE SMOKE.

PLANT STATUS

PLANT READINESS (MODE)	FULI	. SPLIT	TRAIL	AUX	COLD IRO	Ŋ	•
GAS TURBINE ENGINES	1A	1B	2A	2B	•		
GAS TURBINE GENERATORS	1	2	3 //	SPLIT	PLANT	PARALLI	3L
A/C PLANTS	1	2	3	4		•	
L/O SERVICE PUMPS	1A	1B	2A	2B			
F/O SERVICE PUMPS	1 A	1B	2A	2B	er e e		er, to
SEAWATER SERVICE PUMPS	1	2	3	4	5		
FIRE PUMPS	1	2	3	4	5	6	
L/O PURIFIERS	1	2				·. ·	•
F/O PURIFIERS/XFR PUMPS	1	2			•		
HPAC/HPAD'S	#1(/	AUTO/I	LAUUAN	L)	#2 (AU	JTO / MAN	IUAL)
PACS	#1	(115 / 12	0 / 125)				
	#2	(115 / 12	0 / 125)				
	#3	(115 / 12	0 / 125)				٠.
LPAD'S	, 1	2	3	4 _{1 .}			
F/O SERVICE TANK ON SUCTION	1A	1B	2A	2B			
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ART II: DCTT

SEQUENCE OF EVENTS:

SPACE ETT/DCTT will disclose that the fire is increasing in intensity. The fire will continue to grow to the point that it is out of control and evacuation is necessary.

Method of Imposing: ADVANCE ON WATCHSTANDERS WITH RED AND BLACK RAGS.

2. Upon evacuating the space, watch stander will demonstrate SEED (by reaching for it and shouting out "activating SEED") and don a(n) training EEBD.

NOTE: MECHANICAL ISOLATION DCTT and ELECTRICAL ISOLATION DCTT will check for mechanical and electrical isolation of systems in the space. DCA/Scene Leader will make the decision to electrically isolate space lighting based on space conditions and if HALON bad scenario develops because of watch standers' actions.

Method of Imposition: As Found.

If HALON bad, Team leader/investigators will see Black Smoke/Red Rags. After electrical isolation has been verified by IN SPACE DCTT, Electrical Isolation DCTT will restore lighting to the space. Electrical isolation will be complete with the following exceptions:

#1 SCU , lA/1B IECs, IVCS jack boxes/phones, 1MC and 1MC lighting Halon indicators

NOTE: After watch standers evacuate the space, ETT/DCTT will check that the following actions are being completed:

- Securing of hatch to the space (setting Zebra).
- B. Pulling of emergency trips.
- C. Accounting for evacuees.
- Activation of bilge sprinkling.
- HALON activated, insure discharge, open bypass if necessary.

NOTE: DCTT will check that watch standers report to CCS.

3. Halon activation/ventilation trip will be disclosed by OSL DCTT manually by operating the sensor when a watch stander activates the system.

DCTT LIFTING OF PNEUMATIC Method of Imposing: ACTIVATION OF CO2 BOTTLE PROP. SWITCHES.

NOTE: HALON may be activated from either the affected space or from the DC Deck. In the event that it is activated from the space, the IN SPACE DCTT will prevent the watch stander from ACTUALLY charging the system and will report to the OSL DCTT so that he can activate alarms.

NOTE: IN SPACE DCTT will check for in space alarm activation (lights, horn) and ventilation shut-down. DCC DCTT check activation and vent shut-down alarms in CCS.

1. Primary HALON activation/discharge will be: (choose) A. GOOD provided watch stander actions are correct (DC deck access closed and dogged down; all module doors and other fittings open to outside atmosphere are closed). This will be disclosed with a white disk held in view port. Fire party will wait for a minimum 15 minute soak time and then reenter space. If watch stander actions are incorrect, then indicate HALON BAD. BAD is indicated with a black disk by DCTT (this will require Reserve HALON to be activated when determined by OSL). DCTT will disclose to OSL that primary HALON failed due to a ruptured pipe downstream of the time delay. Additionally, if HALON is BAD, no indication of HALON release will be seen on DC Console and outside the affected space after 60 seconds. If reserve HALON is GOOD as disclosed by DCTT, then a white disk will be displayed. Fire Party will wait for a minimum 15 minute soak time and then reenter space. BAD as indicated with a black disk by DCTT. When determined by OSL, reserve HALON will be activated but will be disclosed by DCTT XXXXX as BAD with no indication on DC Console or on bulkhead outside the affected space after 60 seconds. Fire party will then enter the space. Primary Halon--No lifting of pneumatic switches (bad CO2 Bottle). Reserve Halon-Lifting pneumatic switches but no discharge switch (bad time delay). If watch stander attempts to open bypass Method of Imposing for (BAD): alve DCTT will give valve handle to watch stander (broken valve). .OTE: (GOOD scenario only) If personnel fail to activate HALON or close up the space properly as determined by the DCTT, then HALON will be BAD (DCTT props will change accordingly). The fire party shall enter the space and fight the fire. They should demonstrate their ability in hose handling, team coordination, communication, knowledge of major equipment location, and overhauling the fire. 5. When BOUNDARY DCTT is satisfied with the level of knowledge and proficiency of the fire boundary setters, he will disclose boundaries are hot for bad scenario cool for good.

(Bad) Gray BUBBLE WRAP / (Good) as found Method of Imposing:

6. One investigator will transit down the escape trunk to investigate the status of HALON. The other investigator will remain on the DC Deck. They will report conditions as found to the Scene Leader and Repair Party Leader. Once the smoke and fire boundaries, OOD, Scene Leader and investigators have reported conditions of the fire, the DCA shall make the call that HALON is GOOD/BAD.

(BAD) Black disk in view port/ hot boundaries/ black sacke from vents--OOD/ hot door--Scene Leader/ strobe light in L/L view port Method of Imposing: (GOCD) white disk in view port

7. Scene Leader energizes bilge sprinkling for an additional 2 minutes. At the conclusion of the 2 minute period, the Scene Leader will secure the bilge prinkling system.

NOTE: AFFF system in re-circulation; watch stander pushes appropriate

buttons.

- #1 HOSE DCTT will prevent #1 plug man from activating AFFF hose reel.
- 9. $\frac{\#2\ \text{HOSE}}{\text{hose}}$ DCTT will remove Inline Eductor hose from AFFF can before charging the hose and secure #2 hose at the FIRE PLUG AFTER #2 HOSE has been charged.
- 10. SCBA control will be maintained by the DCTT at the SCENE. all Personnel who will actually activate an SCBA.
- 11. When the team tests the agent, On Scene DCTT will disclose agent check. SAT.

Method of Imposing: AFFF - ZIP LOCK BAG WITH WHITE STYROFOAM PEANUTS.

12. When access man checks hatch for heat, On Scene DCTT will disclose a HOT hatch for bad scenario or cool for good.

Method of Imposing: (BAD) GRAY BUBBLE WRAP/ (GOOD) AS FOUND

13. As the fire party enters the space <u>IN SPACE</u> DCTT will disclose smoke is in the space.

Method of Imposing: Smoke generator

14. When all readily visible flames have disappeared, the team leader will declare "Fire Out, Re-flash Watch Set".

Method of Imposing: RED AND BLACK RAGS BEHIND THE BACK.

5. As the team leader investigates the space for Hot Spots/Hang Fires using he NFTI, IN SPACE DCTT will disclose 1 Hot Spot(s)/Hang Fire(s).

Method of Imposing: canteen with hot water.

16. When Team Leader checks bilge for AFFF coverage. IN SPACE DCCT discloses there is a vapor lock on all bilge surfaces.

Method of Imposing: White sheet laying in bilge

17. When overhaul gear and second hose team enters the space and reaches lower level, the IN SPACE DCTT will disclose the fire is overhauled.

Method of Imposing: Team Leader will instruct hose teams how overhaul will be conducted in space. Overhaul will be complete when all bilge surfaces are vapor secured.

18. DCA orders desmoking procedures for the affected space, <u>IN SPACE DCTT</u> will determine Fire Team's knowledge of desmoking procedures as space is desmoked.

Method of Imposing: DESMOKING OF SPACE USING POSITIVE VENTILATION.

19. Gas Free Petty Officer will calibrate the atmospheric test gear on main deck. He will be questioned by DCTT regarding knowledge of equipment and

20. Once desmoking is complete, DCTT will stop drill and debrief on station.

21. SYMPTOMS

A. LEAK:

- (1) High bilge level alarm.
- (2) Low tank level alarm.
- (3) Smell of fuel/lube oil in space.
- (4) Flammable liquid in bilge.
- (5) Faulty flange/piping/flex hose/mechanical seal.

B. FIRE:

- (1) Smoke and flames in space.
- (2) Smoke and fire alarms.
- (3) Hot Hatch, Hot Bulkhead.

22. CAUSES

- A. Major lube oil leak.
- B. Major fuel oil leak.
- C. Electrical fire.

23. AUTHORIZED DISCLOSURES:

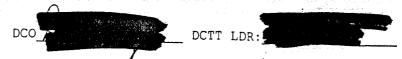
- 1. -Lifting of sensor alarms to indicate flooding.
- 2. -Opening of F/O Unloader By-pass Vlv for loss of F/O pressure.
- 3. -Spray bottle with yellow rag indicating Fuel Oil/Lube Oil leak.
- 4. -Yellow rag on deck indicating Fuel Oil/Lube Oil on deck.
- 5. -Fire out of control: Waving red rag vigorously over head.
- 6. -Fire contained: Rags waved at waist level.
- 7. -Fire out: Rags placed behind back.
- 3. -Halon flooding indications: Activation of appropriate pressure switches.
- 9. -Dropping AFFF tank level: Using magnet/tape on sight glass.
- 10. -Hot bulkhead or door disclosed by placing bubble wrap on bulkhead or Door.
- 11. -Rags placed in bilge for hazard being flushed to bilge.
- 12. -Alarm indications in CCS.
- 13. -Halon good indication: No disk/white disk placed at portholes.
- 14. -Halon bad indication: Black disk placed at portholes.
- .15. -Zip lock bag with purple rag indicates PKP test satisfactory.
- 16. -Zip lock bag with white styrofoam peanuts on deck for AFFF hose test.
- 17. -Tap on PKP bottle for empty bottle.
- 18. -Apply stickies with handwritten notes to disclose various parameters to CCS/EDO.
- 19. -Apply strip of masking tape to locks simulated cut.
- 20. -Desmoking complete, (no actual smoke) removal of black rags on hanger.
- 21. -AFFF fake activator buttons over actual button covers.
- 22. -Halon 5LB co2 bottle prop.

- 23. AUTHORIZED SIMULATIONS: (ORM Tenet: Evaluate control options)
- -Activation or energizing firefighting equipment as briefed.
- -Lightoff of SCBAs and EEBDs except as briefed. 2.
- -Maneuvering the ship to minimize smoke re-ingestion. 3.
- -Smoke observations by the OOD 4.
- -Halon 15 min. soak time. 5.
- -Fuel Oil/Lube Oil leak.. 6.
- -Liquid in bilge. 7.
- -Smoke & fire symptoms. 8..
- -Electrical & mechanical isolation as briefed. 9.
- -Rake will be only overhaul gear item taken into space. 10.
- -Overhaul of space. 11.
- -Starting and stopping of engineering equipment, except as authorized by 12. ETT/DCTT.
- -Breaking of Draeger tubes. 13.
- -Open Repair Lockers 2, 3, and 5 prior to drill. 14.
- -Relaxing of FFEs and SCBA facepieces once Battle dress sat as briefed. 15.
- -Food service personnel will continue meal prep if required. 16.
- -Dewatering procedures. 17.
- -Cutting locks on spaces containing fire boundaries. 18.
- -Bolt cutters will be taped over during drill. 19.
- -Charging hoses as briefed. 20.
- -Charged hoses will be closed by taped/bungee cord by DCTT (actual 21. casualty removed.)
- -Setting positive and negative ventilation. 22.
- -CCS starting standby GTG. 23.
- -CCS watch isolation of EPCC Fuses as briefed. 24.
- -Muster non-duty section personnel. 25.
- -Fuses from fuse panels will not be pulled unless actual emergency. 26. A tag will be hung indicating fuse was pulled.

OPERATIONAL RISK MANAGEMENT - IDENTIFY HAZARDS - ASSESS THE RISKS VS BENIFITS - EVALUATE CONTROL OPTIONS - SUPERVISE

ROUTING
ITT LEADER
TEAM LEADER
EVALUATOR

WATCH	DATE:
HELL CIT	TION/DRILL DESCRIPTION
EVALU	STATION/ WATCHSTANDER
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	ING TEAM EVALUATION: TRAINING/SATISFACTORY/UNSATISFACTORY
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Approved: co MR. Supply

USS COLE (DDG 67) DCTT BRIEF

MAIN SPACE FIRE DRILL (U/W)

Compt 4-174-0-E Noun Name MER 1 Date:

1. GENERAL DESCRIPTION: During normal underway operations, a flammable liquid leak/spray is discovered in NR 1 Main Engine Room, resulting in a major class "B" fire. The EOOW directs space isolation and initial fire fighting efforts. The ERO/PSM/ARO attempt to combat the fire. The fire is declared out of control and the space is evacuated. Primary HALON is activated which is evaluated as good/bad, If bad, Scene Leader activates reserve HALON which is evaluated as good/bad. The fire party must/does not need to enter the space to combat the fire.

2. OBJECTIVE: Training Evaluation General Quarters. (ORM Tenet: Supervise)

3. FXP-4 Drill to be conducted during this training period:

MOB-D-3-SF Manning Battle Stations
MOB-D-9-SF Main Space Fire Drill

MOB-D-11-SF Setting Material Condition (Yoke and Zebra)

MOB-D-23-SF Locating DC Fittings

- 4. The training period will be between TBD.
- 5. LESSONS LEARNED LAST DRILL: OSL needs to know space layout and establish choke points. Ensure investigators correctly identify halon on release panel. Quickly and correctly establish fire boundaries and report.
- 6 Lockers will be debriefed at Repair lockers after the DCTT debrief. DCTT debrief will be conducted following the drill in the Wardroom.
- DCTT/ETT Assignments: DCCT Leader (DCC) LCDR (Q) DCC MS1 (Q) Rover GSMC : (Q) COD QMC (Q) Scene Leader DC1 (Q) Locker Leader HMCM (Q) #1 Hose GMC : (Q) #2 Hose SKC (Q) In Space #1 DC1 (Q) In Space #2 SHC (Q) Investigators MA1 (Q) Boundrymen STGC (Q) ENC (Q) Electrical Isolation **EMC** (Q) Mechanical Isolation HT1 (Q) AFFF Operator PNC . (Q) Medical HMC N (Q) ETT Leader LT ((Q) SPACE ETT GSCS (Q)

- SAFETY: (ORM Tenet: Assess risks vs benefits) ETT/DCTT MEMBERS ARE THE PRIMARY SAFETY OBSERVERS. DO NOT ALLOW UNSAFE PRACTICES TO OCCUR. IN THE EVENT A SAFETY HAZARD DOES OCCUR, THE ETT/DCTT MEMBER WILL CORRECT THE SAFETY VIOLATION AND NOTIFY THE ETT/DCTT LEADER OF THE SITUATION. IN THE EVENT OF AN ACTUAL CASUALTY IN THE DRILL AREA, ETT/DCTT WILL PASS THE WORD "ACTUAL CASUALTY" AND INFORM THE ETT/DCTT LEADER OF THE SITUATION. ETT/DCTT WILL ALLOW WATCH STANDERS TO HANDLE THE ACTUAL CASUALTY. IN THE EVENT WATCH STANDERS DO NOT HANDLE THE ACTUAL CASUALTY, THE ETT/DCTT WILL STEP IN AND TAKE CORRECTIVE ACTION. THE ETT/DCTT LEADER WILL DETERMINE WHETHER TO CONTINUE WITH THE DRILL.
- SAFETY PRECAUTIONS: (ORM Tenet: Implement controls)
- Observe personnel dressed out in fire fighting ensembles for signs of A. heat stress.
- Ensure hoses are charged and then secured at the plug and that В. electrical equipment is not hosed down.
- Ensure SCBA cylinders are properly secured when not in use. C.

D. No running.

- Ε. No straddling of hoses.
- Two or more people lifting/lowering water tight hatches. F.
- No leaving CO2 or PKP bottles upright untended or unstowed. G.
- No overriding or bypassing safety interlocks. Η.
- No loose deck plates, which must have at least two bolts per deck plate. Ι.
- Ensure personnel wear proper hearing protection. J.
- Ensure personnel remain clear of rotating shafts or machinery. Κ.
- Do not work on live (energized) electrical equipment without the Commanding Officer's permission and only per NSTM 300.
- 10. (ORM Tenet: ID Hazards) Safety walk through has been/will be conducted immediately prior to commencing the drill. Safety walk through deficiencies will be corrected before commencing the drill.
- 11. Heat stress survey to be conducted prior to commencement of drill.

Follow on survey due:

12. DCTT Communications: WICS channel ITT1.

PART I: ETT

SCENARIO: A major fuel leak develops in MER 1 LL (4-174-0-E), AFT/Centerline at the #1A Fuel Oil Service Pump (36/72 gpm @ 105 psi) inlet to the discharge gage cutout valve. The leak may be isolated by securing #1A F/O service pump locally or remotely. After the response team has demonstrated the proper initial actions in flushing and covering the fire hazard, DCTT will flash into The ignition source will be the #1A F/O Service Pump motor.

Method of Imposing Casualty: ETT will initiate drill by giving F/O smell to watch standers.

Method of Imposing Leak: Smell of fuel oil from sample bottle. Spray water from spray bottle and yellow rags to show leak.

Proper initial actions observed by ETT/DCTT for the leak are:

- Report leak to CCS (location, size)

- EOOW recommend OOD sound General Quarters and pass word for a major fuel/lube oil leak in MER 1.
- EOOW follows EOCC/MSFD procedures for a major fuel oil/lube oil leak.
- Isolate the leak/deflect leak away from the heat source. Secure #2A Fuel Oil Service Pump.

- Obtain and shoulder an EEBD.

- Secure heat sources/operating equipment.

- Activate AFFF bilge sprinkling for 1 minute.

Method of Imposing: WATCHSTANDER WILL PUSH AFFF BILGE SPRINKLING BUTTON.

- Activate AFFF hose reels to flush flammable liquid to the bilge. When watch stander(s) test AFFF agent, SPACE ETT will disclose AFFF check SAT/UNSAT.

Method of Imposing: AFFF-ZIP LOCK BAG OF WHITE STYROFOAM PEANUTS.

- Deploy PKP extinguishers to the scene. SPACE ETT will disclose agent check SAT/UNSAT.

Method of Imposing: purple rag in zip-lock bag.

NOTE: AFFF DCTT will place AFFF station in Re-circulation. Once the AFFF station is activated, AFFF DCTT will secure motor locally to minimize wear and tear on the isolation valve. In the event of actual casualty AFFF DCTT will place station back in normal operation. AFFF flow rate:

MER 2 460 gpm/26 sprinkler heads = 27.5 gallons of AFFF per minute 190 gmm/2-95 gpm nozzles = 11.5 gallons of AFFF (simulate) 5 gallons of AFFF per flag = approx 5 flags per minute (bilge spr) = approx 1 flag per minute per nozzle

- Apply AFFF to flush flammable liquid to the bilge.

When the \underline{SPACE} ETT is satisfied with the watch standers initial actions and the flammable liquid is being flushed into the bilges, the \underline{SPACE} DCTT will disclose to the \underline{SPACE} watch that a fire has broken out in the bilges.

Method of Imposing: RED RAG TO INDICATE FIRE. BLACK RAG TO INDICATE SMOKE.

PLANT STATUS

PLANT READINESS (MODE)	FUL	L SPLIT	TRAIL	AUX	COLD IR	ON
GAS TURBINE ENGINES	1A	1B	2A	2B		
GAS TURBINE GENERATORS	1	2	3 //	SPLIT	PLANT	PARALLEL
A/C PLANTS	1	2	3	4		
L/O SERVICE PUMPS	1A	1B	2A	2B		
F/O SERVICE PUMPS	1A	1B	2A	2B		
SEAWATER SERVICE PUMPS	1	2	3	4	5 · · · · · · · · · · · · · · · · · · ·	
FIRE PUMPS	1	2	3	4	5	6
L/O PURIFIERS		2				
F/O PURIFIERS/XFR PUMPS	1	2	•			• • • • • • • • • • • • • • • • • • • •
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LPACS	#1 (115/120	/ 125)		:	•
	#2 (115 / 120	/ 125)			
	#3 (115 / 120	/ 125)			
LPAD'S	1	2	3	4		
F/O SERVICE TANK ON SUCTION	1A	1B	2A	2B	• .	
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PART II: DCTT

SEQUENCE OF EVENTS:

1. SPACE ETT/DCTT will disclose that the fire is increasing in intensity. The fire will continue to grow to the point that it is out of control and evacuation is necessary.

Method of Imposing: ADVANCE ON WATCHSTANDERS WITH RED AND BLACK RAGS.

2. Upon evacuating the space, watch stander will demonstrate SEED (by reaching for it and shouting out "activating SEED") and don a(n) training EEBD.

NOTE: MECHANICAL ISOLATION DCTT and ELECTRICAL ISOLATION DCTT will check for mechanical and electrical isolation of systems in the space. DCA/Scene Leader will make the decision to electrically isolate space lighting based on space conditions and if HALON bad scenario develops because of watch standers' actions.

Method of Imposition: As Found.

If HALON bad, Team leader/investigators will see Black Smoke/Red Rags. After electrical isolation has been verified by IN SPACE DCTT, Electrical Isolation DCTT will restore lighting to the space. Electrical isolation will be complete with the following exceptions:

#1 SCU ,1A/1B IECs, IVCS jack boxes/phones, 1MC and 1MC lighting Halon indicators

NOTE: After watch standers evacuate the space, ETT/DCTT will check that the following actions are being completed:

- A. Securing of hatch to the space (setting Zebra).
- B. Pulling of emergency trips.
- C. Accounting for evacuees.
- D. Activation of bilge sprinkling.
- E. HALON activated, insure discharge, open bypass if necessary.

NOTE: DCTT will check that watch standers report to CCS.

3. Halon activation/ventilation trip will be disclosed by $\frac{OSL}{DCTT}$ manually by operating the sensor when a watch stander activates the $\frac{OSL}{SYSTEM}$.

Method of Imposing: ACTIVATION OF CO2 BOTTLE PROP. DCTT LIFTING OF PNEUMATIC SWITCHES.

NOTE: HALON may be activated from either the affected space or from the DC Deck. In the event that it is activated from the space, the <u>IN SPACE DCTT</u> will prevent the watch stander from ACTUALLY charging the system and will report to the <u>OSL DCTT</u> so that he can activate alarms.

NOTE: IN SPACE DCTT will check for in space alarm activation (lights, horn) and ventilation shut-down. DCC DCTT check activation and vent shut-down alarms in CCS.

4. Primary HALON activation/discharge will be: (choose) GOOD provided watch stander actions are correct (DC deck access closed and dogged down; all module doors and other fittings open to outside atmosphere are closed). This will be disclosed with a white disk held in view port. Fire party will wait for a minimum 15 minute soak time and then reenter space. If watch stander actions are incorrect, then indicate HALON BAD. B. BAD is indicated with a black disk by DCTT (this will require Reserve HALON to be activated when determined by OSL). DCTT will disclose to OSL that primary HALON failed due to a ruptured pipe downstream of the time delay. Additionally, if HALON is BAD, no indication of HALON release will be seen on DC Console and outside the affected space after 60 seconds. If reserve HALON is GOOD as disclosed by DCTT, then a white disk will be displayed. Fire Party will wait for a minimum 15 minute soak time and then reenter space. C. BAD as indicated with a black disk by DCTT. When determined by XXXXX OSL, reserve HALON will be activated but will be disclosed by DCTT as BAD with no indication on DC Console or on bulkhead outside the affected space after 60 seconds. Fire party will then enter the space. Method of Imposing for (BAD): Primary Halon--No lifting of pneumatic switches (bad CO2 Bottle). Reserve Halon-Lifting pneumatic switches but no discharge switch (bad time delay). If watch stander attempts to open bypass valve DCTT will give valve handle to watch stander (broken valve). NOTE: (GOOD scenario only) If personnel fail to activate HALON or close up the space properly as determined by the DCTT, then HALON will be BAD (DCTT props will change accordingly). The fire party shall enter the space and fight the fire. They should demonstrate their ability in hose handling, team coordination, communication, knowledge of major equipment location, and overhauling the fire.

THE PART WAR WAR TO SELECT

5. When <u>BOUNDARY</u> DCTT is satisfied with the level of knowledge and proficiency of the fire boundary setters, he will disclose boundaries are hot for bad scenario cool for good.

Method of Imposing: (Bad) Gray BUBBLE WRAP / (Good) as found

6. Che investigator will transit down the escape trunk to investigate the status of HALON. The other investigator will remain on the DC Deck. They will report conditions as found to the Scene Leader and Repair Party Leader. Once the smoke and fire boundaries, OOD, Scene Leader and investigators have reported conditions of the fire, the DCA shall make the call that HALON is GOOD/RAD.

Method of Imposing: (BAD) Black disk in view port/ hot boundaries/ black smoke from vents--OOD/ hot door--Scene Leader/ strobe light in L/L view port (GOOD) white disk in view port

7. Scene Leader energizes bilge sprinkling for an additional 2 minutes. At the conclusion of the 2 minute period, the Scene Leader will secure the bilge sprinkling system.

NOTE: AFFF system in re-circulation; watch stander pushes appropriate .

- 8. #1 HOSE DCTT will prevent #1 plug man from activating AFFF hose reel.
- 9. #2 HOSE DCTT will remove Inline Eductor hose from AFFF can before charging the hose and secure #2 hose at the FIRE PLUG AFTER #2 HOSE has been charged.
- 10. SCBA control will be maintained by the DCTT at the SCENE. <u>all</u> Personnel who will actually activate an SCBA.
- 11. When the team tests the agent, $\underline{\text{On Scene}}$ DCTT will disclose agent check. SAT.

Method of Imposing: AFFF - ZIP LOCK BAG WITH WHITE STYROFOAM PEANUTS.

12. When access man checks hatch for heat, On Scene DCTT will disclose a HOT hatch for bad scenario or cool for good.

Method of Imposing: (BAD) GRAY BUBBLE WRAP/ (GOOD) AS FOUND

13. As the fire party enters the space IN SPACE DCTT will disclose smoke is in the space.

Method of Imposing: Smoke generator

14. When all readily visible flames have disappeared, the team leader will declare "Fire Out, Re-flash Watch Set".

Method of Imposing: RED AND BLACK RAGS BEHIND THE BACK.

15. As the team leader investigates the space for Hot Spots/Hang Fires using the NFTI, IN SPACE DCTT will disclose 1 Hot Spot(s)/Hang Fire(s).

Method of Imposing: canteen with hot water.

16. When Team Leader checks bilge for AFFF coverage. IN SPACE DCCT discloses there is a vapor lock on all bilge surfaces.

Method of Imposing: White sheet laying in bilge

17. When overhaul gear and second hose team enters the space and reaches lower level, the IN SPACE DCTT will disclose the fire is overhauled.

Method of Imposing: Team Leader will instruct hose teams how overhaul will be conducted in space. Overhaul will be complete when all bilge surfaces are vapor secured.

13. DCA orders desmoking procedures for the affected space, <u>IN SPACE DCTT</u> will determine Fire Team's knowledge of desmoking procedures as space is desmoked.

Method of Imposing: DESMOKING OF SPACE USING POSITIVE VENTILATION.

- 19. Gas Free Petty Officer will calibrate the atmospheric test gear on main deck. He will be questioned by DCTT regarding knowledge of equipment and procedures.
- 20. Once desmoking is complete, DCTT will stop drill and debrief on station.

21. SYMPTOMS

- A. LEAK:
 - (1) High bilge level alarm.
 - (2) Low tank level alarm.
 - (3) Smell of fuel/lube oil in space.
 - (4) Flammable liquid in bilge.
 - (5) Faulty flange/piping/flex hose/mechanical seal.

B. FIRE:

- (1) Smoke and flames in space.
- (2) Smoke and fire alarms.
- (3) Hot Hatch, Hot Bulkhead.

22. CAUSES

- A. Major lube oil leak.
- B. Major fuel oil leak.
- C. Electrical fire.

23. AUTHORIZED DISCLOSURES:

- Lifting of sensor alarms to indicate flooding.
- 2. -Opening of F/O Unloader By-pass Vlv for loss of F/O pressure.
- 3. -Spray bottle with yellow rag indicating Fuel Oil/Lube Oil leak.
- 4. -Yellow rag on deck indicating Fuel Oil/Lube Oil on deck.
- 5. -Fire out of control: Waving red rag vigorously over head.
- 6. -Fire contained: Rags waved at waist level.
- 7. -Fire out: Rags placed behind back.
- 8. -Halon flooding indications: Activation of appropriate pressure switches.
- 9. -Dropping AFFF tank level: Using magnet/tape on sight glass.
- 10. -Hot bulkhead or door disclosed by placing bubble wrap on bulkhead or Door.
- 11. -Rags placed in bilge for hazard being flushed to bilge.
- 12. -Alarm indications in CCS.
- 13. -Halon good indication: No disk/white disk placed at portholes.
- 14. -Halon bad indication: Black disk placed at portholes.
- .15. -Zip lock bag with purple rag indicates PKP test satisfactory.
- 16. -Zip lock bag with white styrofoam peanuts on deck for AFFF hose test.
- 17. -Tap on PKP bottle for empty bottle.
- 18. -Apply stickies with handwritten notes to disclose various parameters to CCS/EDO.
- 19. -Apply strip of masking tape to locks simulated cut.
- 20. -Desmoking complete, (no actual smoke) removal of black rags on hanger.
- 21. -AFFF fake activator buttons over actual button covers.
- 22. -Halon 5LB co2 bottle prop.

- 23. AUTHORIZED SIMULATIONS: (ORM Tenet: Evaluate control options)
- 1. -Activation or energizing firefighting equipment as briefed.
- Lightoff of SCBAs and EEBDs except as briefed.
- 3. -Maneuvering the ship to minimize smoke re-ingestion.
- 4. -Smoke observations by the OOD
- 5. -Halon 15 min. soak time.
- 6. -Fuel Oil/Lube Oil leak..
- 7. -Liquid in bilge.
- 8. -Smoke & fire symptoms.
- 9. -Electrical & mechanical isolation as briefed.
- 10. -Rake will be only overhaul gear item taken into space.
- 11. -Overhaul of space.
- 12. -Starting and stopping of engineering equipment, except as authorized by ETT/DCTT.
- 13. -Breaking of Draeger tubes.
- 14. -Open Repair Lockers 2, 3, and 5 prior to drill.
- 15. -Relaxing of FFEs and SCBA facepieces once Battle dress sat as briefed.
- 16. -Food service personnel will continue meal prep if required.
- 17. -Dewatering procedures.
- 18. -Cutting locks on spaces containing fire boundaries.
- 19. -Bolt cutters will be taped over during drill.
- 20. -Charging hoses as briefed.
- 21. -Charged hoses will be closed by taped/bungee cord by DCTT (actual casualty removed.)
- 22. -Setting positive and negative ventilation.
- 23. -CCS starting standby GTG.
- 24. -CCS watch isolation of EPCC Fuses as briefed.
- 25. -Muster non-duty section personnel.
- 26. -Fuses from fuse panels will not be pulled unless actual emergency.
 A tag will be hung indicating fuse was pulled.

OPERATIONAL RISK MANAGEMENT
- IDENTIFY HAZARDS

- ASSESS THE RISKS vs BENIFITS
 - EVALUATE CONTROL OPTIONS
 - SUPERVISE

ROUTING

ITT LEADER TEAM LEADER **EVALUATOR** DATE: 79 SEP, ETT/DCTT/CSTT/STT/MTT EVOLUTION/DRILL DESCRIPTION WATCHSTATION/ WATCHSTANDER **EVALUATOR** WATCH EVALUATION: TRAINING/SATISFACTORY/UNSATISFACTORY TRAINING/SATISFACTORY/UNSATISFACTORY TRAINING TEAM EVALUATION: CONTRARY TO COLE DIRECTIVES/INSTRUCTIONS: OTHER PROCEDURAL DEFICIENCIES NOTED: Locked abbet in als affinger ZNJ NCEEDWOND MATERIAL: TRAINING TEAM DEFICIENCIES: ba SCBA Sc 1, whole? 1522 512 P/s Lein 773 EQ 7 CKIS B MY 18 Hais 1 reland -> 1535 Enew Space Kalo not effected (1521) 4 min (18 min ath Fre) 22 Zelin mar Mach Issister - Pure I - 5 min 1553 (4) HT (longat complete SSTERC INCHIM - Phose T 10 (19 min , - Spee)

so order to also space



DCTT LDR:



USS COLE (DDG 67) DCTT BRIEF MAIN SPACE FIRE DRILL (U/W)

4-174-0-E Noun Name MER 1 Date:

1. GENERAL DESCRIPTION: During normal underway operations, a flammable liquid leak/spray is discovered in NR 1 Main Engine Room, resulting in a major class "B" fire. The EOOW directs space isolation and initial fire fighting efforts. The ERO/PSM/ARO attempt to combat the fire. The fire is declared out of control and the space is evacuated. Primary HALON is activated which is evaluated as good/bad. If bad, Scene Leader activates reserve HALON which is evaluated as good/bad. The fire party must/does not need to enter the space to combat the fire.

Training Evaluation OBJECTIVE: General Quarters. (ORM Tenet: Supervise)

FXP-4 Drill to be conducted during this training period:

MOB-D-3-SF

Manning Battle Stations

MOB-D-9-SF

Main Space Fire Drill

MOB-D-11-SF

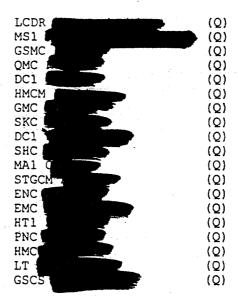
Setting Material Condition (Yoke and Zebra)

MOB-D-23-SF Locating DC Fittings

- The training period will be between TBD.
- LESSONS LEARNED LAST DRILL: OSL needs to know space layout and establish choke points. Ensure investigators correctly identify halon on release panel Quickly and correctly establish fire boundaries and report.
- 6 Lockers will be debriefed at Repair lockers after the DCTT debrief. DCTT debrief will be conducted following the drill in the Wardroom.
- 7. DCTT/ETT Assignments:

DCCT Leader (DCC)
DCC
Rover
00D
Scene Leader
Locker Leader
#1 Hose
#2 Hose
In Space #1
In Space #2
Investigators
Boundrymen
Electrical Isolation
Mechanical Isolation
AFFF Operator

Electrical	Isolation
Mechanical	Isolation
AFFF Operat	or
Medical	
ETT Leader	
SPACE ETT	



- SAFETY: (ORM Tenet: Assess risks vs benefits) ETT/DCTT MEMBERS ARE THE PRIMARY SAFETY OBSERVERS. DO NOT ALLOW UNSAFE PRACTICES TO OCCUR. EVENT A SAFETY HAZARD DOES OCCUR, THE ETT/DCTT MEMBER WILL CORRECT THE SAFETY VIOLATION AND NOTIFY THE ETT/DCTT LEADER OF THE SITUATION. IN THE EVENT OF AN ACTUAL CASUALTY IN THE DRILL AREA, ETT/DCTT WILL PASS THE WORD "ACTUAL CASUALTY" AND INFORM THE ETT/DCTT LEADER OF THE SITUATION. ETT/DCTT WILL ALLOW WATCH STANDERS TO HANDLE THE ACTUAL CASUALTY. IN THE EVENT WATCH STANDERS DO NOT HANDLE THE ACTUAL CASUALTY, THE ETT/DCTT WILL STEP IN AND TAKE CORRECTIVE ACTION. THE ETT/DCTT LEADER WILL DETERMINE WHETHER TO CONTINUE
- SAFETY PRECAUTIONS: (ORM Tenet: Implement controls)
- Observe personnel dressed out in fire fighting ensembles for signs of Α.
- Ensure hoses are charged and then secured at the plug and that В. electrical equipment is not hosed down.
- C. Ensure SCBA cylinders are properly secured when not in use.

D. No running.

- Ε. No straddling of hoses.
- Two or more people lifting/lowering water tight hatches. F. G.
- No leaving CO2 or PKP bottles upright untended or unstowed. Н.
- No overriding or bypassing safety interlocks. I.
- No loose deck plates, which must have at least two bolts per deck plate. J.
- Ensure personnel wear proper hearing protection. К.
- Ensure personnel remain clear of rotating shafts or machinery. Do not work on live (energized) electrical equipment without the I... Commanding Officer's permission and only per NSTM 300.
- 10. (ORM Tenet: ID Hazards) Safety walk through has been/will be conducted immediately prior to commencing the drill. Safety walk through deficiencies will be corrected before commencing the drill.
- 11. Heat stress survey to be conducted prior to commencement of drill. Follow on survey due:

12. DCTT Communications: WICS channel ITT1.

PART I: ETT

SCENARIO: A major fuel leak develops in MER 1 LL (4-174-0-E), AFT/Centerline at the #1A Fuel Oil Service Pump (36/72 gpm @ 105 psi) inlet to the discharge gage cutout valve. The leak may be isolated by securing #1A F/O service pump locally or remotely. After the response team has demonstrated the proper initial actions in flushing and covering the fire hazard, DCTT will flash into a fire. The ignition source will be the #1A F/O Service Pump motor.

Method of Imposing Casualty: ETT will initiate drill by giving F/O smell to watch standers.

Method of Imposing Leak: Smell of fuel oil from sample bottle. Spray water from spray bottle and yellow rags to show leak.

Proper initial actions observed by ETT/DCTT for the leak are:

- Report leak to CCS (location, size)
- EOOW recommend OOD sound General Quarters and pass word for a major fuel/lube oil leak in MER-1.
- EOOW follows EOCC/MSFD procedures for a major fuel oil/lube oil leak.
- Isolate the leak/deflect leak away from the heat source. Secure #2A
- Obtain and shoulder an EEBD.
- Secure heat sources/operating equipment.
- Activate AFFF bilge sprinkling for 1 minute.

Method of Imposing: WATCHSTANDER WILL PUSH AFFF BILGE SPRINKLING BUTTON.

- Activate AFFF hose reels to flush flammable liquid to the bilge. When watch stander(s) test AFFF agent, SPACE ETT will disclose AFFF check

Method of Imposing: AFFF-ZIP LOCK BAG OF WHITE STYROFOAM PEANUTS.

- Deploy PKP extinguishers to the scene. SPACE ETT will disclose agent . check SAT/UNSAT.

Method of Imposing: purple rag in zip-lock bag.

NOTE: AFFF DCTT will place AFFF station in Re-circulation. Once the AFFF station is activated, AFFF DCTT will secure motor locally to minimize wear and tear on the isolation valve. In the event of actual casualty AFFF DCTT will place station back in normal operation. AFFF flow rate:

MER 2 460 gpm/26 sprinkler heads = 27.5 gallons of AFFF per minute 190 gmm/2-95 gpm nozzles = 11.5 gallons of AFFF (simulate) 5 gallons of AFFF per flag = approx 5 flags per minute (bilge spr) = approx 1 flag per minute per nozzle

- Apply AFFF to flush flammable liquid to the bilge.

When the SPACE ETT is satisfied with the watch standers initial actions and the flammable liquid is being flushed into the bilges, the SPACE DCTT will disclose to the SPACE watch that a fire has broken out in the bilges.

Method of Imposing: RED RAG TO INDICATE FIRE. BLACK RAG TO INDICATE SMOKE.

PLANT STATUS

PLANT READINESS (MODE)	FULI	. SPLIT	TRAIL	AUX	COLD IR	ON
GAS TURBINE ENGINES	lA	1B	2A	2B		
GAS TURBINE GENERATORS	1	2	3 //	SPLIT	PLANT	PARALLEL
A/C PLANTS	1	2	3	4 :		
L/O SERVICE PUMPS	lA	1B	2A	2B		
F/O SERVICE PUMPS	1A	lB	2A	2B		
SEAWATER SERVICE PUMPS	1	2	3	4	5	
FIRE PUMPS	1.	2	3	4	5	6
LO PURIFIERS	1	2	•			
F/O PURIFIERS/XFR PUMPS	1	2				
HPAC/HPAD'S	# 1 (A	UTO/M	ANUAL)	#2 (Al	JTO/MANUAL)
LPAC'S	#1 (115 / 120	/ 125)			
	#2 (115 / 120	/ 125)			
	#3 (1	15/120	/ 125)			
LPAD'S	1	2	3	4		
F/O SERVICE TANK ON SUCTION	IA	1B	2A	2B		e de la Competition de la Section de la Competition de la Competition de la Competition de la Competition de l La Competition de la
OOC EQUIPMENT:			-			
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ADDITIONAL COMMENTS:				·		
		<u></u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> Samuel and Albanders (1988)</u>	

PART II: DCTT

SEQUENCE OF EVENTS:

l. SPACE ETT/DCTT will disclose that the fire is increasing in intensity. The fire will continue to grow to the point that it is out of control and evacuation is necessary.

Method of Imposing: ADVANCE ON WATCHSTANDERS WITH RED AND BLACK RAGS.

2. Upon evacuating the space, watch stander will demonstrate SEED (by reaching for it and shouting out "activating SEED") and don a(n) training EEBD.

NOTE: MECHANICAL ISOLATION DCTT and ELECTRICAL ISOLATION DCTT will check for mechanical and electrical isolation of systems in the space.

DCA/Scene Leader will make the decision to electrically isolate space lighting based on space conditions and if HALON bad scenario develops because of watch standers' actions.

Method of Imposition: As Found.

If HALON bad, Team leader/investigators will see Black Smoke/Red Rags. After electrical isolation has been verified by IN SPACE DCTT, Electrical Isolation DCTT will restore lighting to the space. Electrical isolation will be complete with the following exceptions:

#1 SCU , lA/1B IECs, IVCS jack boxes/phones, lMC and lMC lighting Halon indicators

NOTE: After watch standers evacuate the space, ETT/DCTT will check that the following actions are being completed:

- A. Securing of hatch to the space (setting Zebra).
- B. Pulling of emergency trips.
- C. Accounting for evacuees.
- D. Activation of bilge sprinkling.
- E. HALON activated, insure discharge, open bypass if necessary.

NOTE: DCTT will check that watch standers report to CCS.

3. Halon activation/ventilation trip will be disclosed by OSL DCTT manually by operating the sensor when a watch stander activates the system.

Method of Imposing: ACTIVATION OF CO2 BOTTLE PROP. DCTT LIFTING OF PNEUMATIC SWITCHES.

NOTE: HALON may be activated from either the affected space or from the DC Deck. In the event that it is activated from the space, the <u>IN SPACE DCTT</u> will prevent the watch stander from ACTUALLY charging the system and will report to the <u>OSL DCTT</u> so that he can activate alarms.

NOTE: IN SPACE DCTT will check for in space alarm activation (lights, horn) and ventilation shut-down. DCC DCTT check activation and vent shut-down alarms in CCS.

Primary HALON activation/discharge will be: (choose)

- A. GOOD provided watch stander actions are correct (DC deck access closed and dogged down; all module doors and other fittings open to outside atmosphere are closed). This will be disclosed with a white disk held in view port. Fire party will wait for a minimum 15 minute soak time and then reenter space. If watch stander actions are incorrect, then indicate HALON BAD.
 - B. BAD is indicated with a black disk by DCTT (this will require Reserve HALON to be activated when determined by OSL). DCTT will disclose to OSL that primary HALON failed due to a ruptured pipe downstream of the time delay. Additionally, if HALON is BAD, no indication of HALON release will be seen on DC Console and outside the affected space after 60 seconds. If reserve HALON is GOOD as disclosed by DCTT, then a white disk will be displayed. Fire Party will wait for a minimum 15 minute soak time and then reenter space.
- C. BAD as indicated with a black disk by DCTT. When determined by OSL, reserve HALON will be activated but will be disclosed by DCTT as BAD with no indication on DC Console or on bulkhead outside the affected space after 60 seconds. Fire party will then enter the space.

Method of Imposing for (BAD): Primary Halon-No lifting of pneumatic switches (bad CO2 Bottle). Reserve Halon-Lifting pneumatic switches but no discharge switch (bad time delay). If watch stander attempts to open bypass alve DCTT will give valve handle to watch stander (broken valve).

NOTE: (GOOD scenario only) If personnel fail to activate HALON or close up the space properly as determined by the DCTT, then HALON will be BAD (DCTT props will change accordingly). The fire party shall enter the space and fight the fire. They should demonstrate their ability in hose handling, team coordination, communication, knowledge of major equipment location, and overhauling the fire.

5. When <u>BOUNDARY</u> DCTT is satisfied with the level of knowledge and proficiency of the fire boundary setters, he will disclose boundaries are hot for bad scenario cool for good.

Method of Imposing: (Bad) Gray BUBBLE WRAP / (Good) as found

6. One investigator will transit down the escape trunk to investigate the status of HALON. The other investigator will remain on the DC Deck. They will report conditions as found to the Scene Leader and Repair Party Leader. Once the smoke and fire boundaries, OOD, Scene Leader and investigators have reported conditions of the fire, the DCA shall make the call that HALON is GOOD/BAD.

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buttons.

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Method of Imposing: (BAD) GRAY BUBBLE WRAP/ (GOOD) AS FOUND

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Method of Imposing: Smoke generator

14. When all readily visible flames have disappeared, the team leader will declare "Fire Out, Re-flash Watch Set".

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- IDENTIFY HAZARDS
- ASSESS THE RISKS VS BENIFITS
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ROUTING ITT LEADER TEAM LEADER

	EVALUATOR
ETT/DCTT/CSTT/STT/MTT EVOLUTION/DRILL DESCRIPTION WATCHSTATION/ WATCHSTANDER EVALUATOR WATCH EVALUATION: TRAINING/SATISFACTO TRAINING TEAM EVALUATION: TRAINING/SATISFACTO	DATE: DRY/UNSATISFACTORY
TRAINING/SA	ATISFACTORY/UNSATISFACTORY
1. CONTRARY TO COLE DIRECTIVES/INSTRU	UCTIONS:
	Control Contro
2. OTHER PROCEDURAL DEFICIENCIES NOTE	D:
3. COMMUNICATIONS:	
the state of the s	
4. MATERIAL:	
Sale And Sale Sale Sale Sale Sale Sale Sale Sale	
5. TRAINING TEAM DEFICIENCIES:	
RECOMMENDATIONS:	

ROUTING

co xo

		C	DO	
		F	IRE MARSHAL	
			DATE:	9-21-6
DCTT		. : 		
EVOLUTION/DRILL DESCRIPTION A WATCHSTATION/ WATCHSTANDER EVALUATOR WATCH EVALUATION: TRAINING/SATIS TRAINING TEAM EVALUATION: TRAINING	FACTORY	LSFACTORY	SFACTORY	
EVALUATOR				
1. CONTRARY TO COLE DIRECTIVES/I CHAIN LOCKER WHICH CAUSE TO SPREAD TO CS OFFICE Electrician TO PUT ON HEC.	THE SM	oke Faam	Smoke n	1A Cite and
2. OTHER PROCEDURAL DEFICIENCIES OUT IMC REPAIR V DID	NOTED: NOT HAVE	SPACE NUM!	BER CAILED Not on Bo	IN COLLECT ARD.
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4. MATERIAL: 1 BROKEN Clip C	on ff Hel	тет, (го	Dairt)	
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EVOLUTION EVALUATION FORM

ROUTING

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ACTION FOR DCA IN	хо
POD NOTES.	-CDC
	FIRE MARSHAL
	DATE: 9/30/00
EVOLUTION/DRILL DESCRIPTION C/ASS C" #/ WATCHSTATION/ WATCHSTANDER AT SEA EVALUATOR CSMC (So) WATCH EVALUATION: TRAINING SATISFACTORY UNSATISFACTORY UNSATIS	ATISFACTORY
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TRAINING TEAM DEFICIENCIES: NONE NOTES	



DCTT LDR:



USS COLE (DDG 67) DCTT BRIEF

MAIN SPACE FIRE DRILL (U/W)

4-174-0-E Noun Name MER 1 Compt Date: 59550

GENERAL DESCRIPTION: During normal underway operations, a flammable liquid leak/spray is discovered in NR 1 Main Engine Room, resulting in a major class "B" fire. The EOOW directs space isolation and initial fire fighting efforts. The ERO/PSM/ARO attempt to combat the fire. The fire is declared out of control and the space is evacuated. Primary HALON is activated which is evaluated as good bad, If bad, Scene Leader activates reserve HALON which is evaluated as good bad. The fire party must/does not need to enter the space to combat the fire.

OBJECTIVE: Training Evaluation General Quarters. (ORM Tenet: Supervise)

FXP-4 Drill to be conducted during this training period:

MOB-D-3-SF

Manning Battle Stations

MOB-D-9-SF

Main Space Fire Drill

MOB-D-11-SF

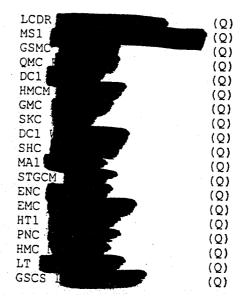
Setting Material Condition (Yoke and Zebra)

MOB-D-23-SF Locating DC Fittings

- 4. The training period will be between TBD.
- 5. LESSONS LEARNED LAST DRILL: OSL needs to know space layout and establish choke points. Ensure investigators correctly identify halon on release panel. Quickly and correctly establish fire boundaries and report.
- 6 Lockers will be debriefed at Repair lockers after the DCTT debrief. DCTT debrief will be conducted following the drill in the Wardroom.
- 7. DCTT/ETT Assignments:

DCCT Leader (DCC)
DCC
Rover
OOD
Scene Leader
Locker Leader
#1 Hose
#2 Hose
In Space #1
In Space #2
Investigators
Boundrymen
Electrical Tablesia

Electrical	Isolation
Mechanical	Isolation
AFFF Operat	or
Medical	
ETT Leader	
SPACE ETT	



- 8. SAFETY: (ORM Tenet: Assess risks vs benefits) ETT/DCTT MEMBERS ARE THE PRIMARY SAFETY OBSERVERS. DO NOT ALLOW UNSAFE PRACTICES TO OCCUR. IN THE EVENT A SAFETY HAZARD DOES OCCUR, THE ETT/DCTT MEMBER WILL CORRECT THE SAFETY VIOLATION AND NOTIFY THE ETT/DCTT LEADER OF THE SITUATION. IN THE EVENT OF AN ACTUAL CASUALTY IN THE DRILL AREA, ETT/DCTT WILL PASS THE WORD "ACTUAL CASUALTY" AND INFORM THE ETT/DCTT LEADER OF THE SITUATION. ETT/DCTT WILL ALLOW WATCH STANDERS TO HANDLE THE ACTUAL CASUALTY. IN THE EVENT WATCH STANDERS DO NOT HANDLE THE ACTUAL CASUALTY, THE ETT/DCTT WILL STEP IN AND TAKE CORRECTIVE ACTION. THE ETT/DCTT LEADER WILL DETERMINE WHETHER TO CONTINUE WITH THE DRILL.
- 9. SAFETY PRECAUTIONS: (ORM Tenet: Implement controls)
- A. Observe personnel dressed out in fire fighting ensembles for signs of heat stress.
- B. Ensure hoses are charged and then secured at the plug and that electrical equipment is not hosed down.
- C. Ensure SCBA cylinders are properly secured when not in use.
- D. No running.
- E. No straddling of hoses.
- F. Two or more people lifting/lowering water tight hatches.
- G. No leaving CO2 or PKP bottles upright untended or unstowed.
- H. No overriding or bypassing safety interlocks.
- I. No loose deck plates, which must have at least two bolts per deck plate.
- J. Ensure personnel wear proper hearing protection.
- K. Ensure personnel remain clear of rotating shafts or machinery.
- L. Do not work on live (energized) electrical equipment without the Commanding Officer's permission and only per NSTM 300.
- 10. (ORM Tenet: ID Hazards) Safety walk through has been/will be conducted immediately prior to commencing the drill. Safety walk through deficiencies will be corrected before commencing the drill.
- 11. Heat stress survey to be conducted prior to commencement of drill.

Follow	on	survey	due:	 •

12. DCTT Communications: WICS channel ITT1.

PART I: ETT

SCENARIO: A major fuel leak develops in MER 1 LL (4-174-0-E), AFT/Centerline at the #1A Fuel Oil Service Pump (36/72 gpm @ 105 psi) inlet to the discharge mage cutout valve. The leak may be isolated by securing #1A F/O service pump locally or remotely. After the response team has demonstrated the proper initial actions in flushing and covering the fire hazard, DCTT will flash into a fire. The ignition source will be the #1A F/O Service Pump motor.

Method of Imposing Casualty: ETT will initiate drill by giving F/O smell to watch standers.

Method of Imposing Leak: Smell of fuel oil from sample bottle. Spray water from spray bottle and yellow rags to show leak.

Proper initial actions observed by ETT/DCTT for the leak are:

- Report leak to CCS (location, size)

- EOOW recommend OOD sound General Quarters and pass word for a major fuel/lube oil leak in MER 1 .

- EOOW follows EOCC/MSFD procedures for a major fuel oil/lube oil leak.

- Isolate the leak/deflect leak away from the heat source. Secure #2A Fuel Oil Service Pump.

- Obtain and shoulder an EEBD.

- Secure heat sources/operating equipment.

- Activate AFFF bilge sprinkling for 1 minute.

Method of Imposing: WATCHSTANDER WILL PUSH AFFF BILGE SPRINKLING BUTTON.

- Activate AFFF hose reels to flush flammable liquid to the bilge. When watch stander(s) test AFFF agent, SPACE ETT will disclose AFFF check SAT/UNSAT.

Method of Imposing: AFFF-ZIP LOCK BAG OF WHITE STYROFOAM PEANUTS.

- Deploy PKP extinguishers to the scene. SPACE ETT will disclose agent check SAT/UNSAT.

Method of Imposing: purple rag in zip-lock bag.

NOTE: AFFF DCTT will place AFFF station in Re-circulation. Once the AFFF station is activated, AFFF DCTT will secure motor locally to minimize wear and tear on the isolation valve. In the event of actual casualty AFFF DCTT will place station back in normal operation. AFFF flow rate:

460 gpm/26 sprinkler heads = 27.5 gallons of AFFF per minute 190 gmm/2-95 gpm nozzles = 11.5 gallons of AFFF (simulate) MER 2 5 gallons of AFFF per flag = approx 5 flags per minute (bilge spr) = approx 1 flag per minute per nozzle

- Apply AFFF to flush flammable liquid to the bilge.

When the SPACE ETT is satisfied with the watch standers initial actions and the flammable liquid is being flushed into the bilges, the SPACE DCTT will disclose to the SPACE watch that a fire has broken out in the bilges.

Method of Imposing: RED RAG TO INDICATE FIRE. BLACK RAG TO INDICATE SMOKE.

PLANT STATUS

PLANT READINESS (MODE)	FUL	L SPLIT	TRAIL	AUX	COLD IF	RON	
GAS TURBINE ENGINES	1A	1B	2A	2B			
GAS TURBINE GENERATORS	1	2	3 //	SPLIT	PLANT	PARAL	LEL
A/C PLANTS	1	2	3	4			
L/O SERVICE PUMPS	1A	1B	2A	2B			
F/O SERVICE PUMPS	1 <u>A</u>	1B	2A	2B			
SEAWATER SERVICE PUMPS	1	2	3	4	5	**	
FIRE PUMPS	1	2	3	4	5	6	
L/O PURIFIERS	1	2					
F/O PURIFIERS/XFR PUMPS	·	2					
HPAC/HPAD'S	#1 (A	UTO/M	ANUAL)	#2 (A	UTO/MA	NUAL)
LPACS	#1 (1	115 / 120	/ 125)		-		
	#2 (1	15 / 120	/ 125)				
	#3 (1	15 / 120	/ 125)				
LPAD'S	1	2	3	4			
F/O SERVICE TANK ON SUCTION	1A	1B	2A	2B			
OOC EQUIPMENT:							
SOC EQUITALIAT.							<u></u>
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PART II: DCTT

SEQUENCE OF EVENTS:

1. SPACE ETT/DCTT will disclose that the fire is increasing in intensity. The fire will continue to grow to the point that it is out of control and evacuation is necessary.

Method of Imposing: ADVANCE ON WATCHSTANDERS WITH RED AND BLACK RAGS.

2. Upon evacuating the space, watch stander will demonstrate SEED (by reaching for it and shouting out "activating SEED") and don a(n) training EEBD.

NOTE: MECHANICAL ISOLATION DCTT and ELECTRICAL ISOLATION DCTT will check for mechanical and electrical isolation of systems in the space. DCA/Scene Leader will make the decision to electrically isolate space lighting based on space conditions and if HALON bad scenario develops because of watch standers' actions.

Method of Imposition: As Found.

If HALON bad, Team leader/investigators will see Black Smoke/Red Rags. After electrical isolation has been verified by IN SPACE DCTT, Electrical Isolation DCTT will restore lighting to the space. Electrical isolation will be complete with the following exceptions:

#1 SCU ,1A/1B IECs, IVCS jack boxes/phones, 1MC and 1MC lighting Halon indicators

NOTE: After watch standers evacuate the space, ETT/DCTT will check that the following actions are being completed:

- A. Securing of hatch to the space (setting Zebra).
- B. Pulling of emergency trips.
- C. Accounting for evacuees.
- D. Activation of bilge sprinkling.
- E. HALON activated, insure discharge, open bypass if necessary.

NOTE: DCTT will check that watch standers report to CCS.

3. Halon activation/ventilation trip will be disclosed by OSL DCTT manually by operating the sensor when a watch stander activates the system.

Method of Imposing: ACTIVATION OF CO2 BOTTLE PROP. DCTT LIFTING OF FNEUMATIC SWITCHES.

NOTE: HALON may be activated from either the affected space or from the DC Deck. In the event that it is activated from the space, the <u>IN SPACE DCTT</u> will prevent the watch stander from ACTUALLY charging the system and will report to the <u>OSL DCTT</u> so that he can activate alarms.

NOTE: IN SPACE DCTT will check for in space alarm activation (lights, horn) and ventilation shut-down. DCC DCTT check activation and vent shut-down alarms in CCS.

GOOD provided watch stander actions are correct (DC deck access closed and dogged down; all module doors and other fittings open to outside atmosphere are closed). This will be disclosed with a white disk held in view port. Fire party will wait for a minimum 15 minute soak time and then reenter space. If watch stander actions are incorrect, then indicate HALON BAD. B. BAD is indicated with a black disk by DCTT (this will require Reserve HALON to be activated when determined by OSL). DCTT will disclose to OSL that primary HALON failed due to a ruptured pipe downstream of the time delay. Additionally, if HALON is BAD, no indication of HALON release will be seen on DC Console and outside the affected space after 60 seconds. If reserve HALON is GOOD as disclosed by DCTT, then a white disk will be displayed. Fire Party will wait for a minimum 15 minute soak time and then reenter space. C. BAD as indicated with a black disk by DCTT. When determined by XXXXX OSL, reserve HALON will be activated but will be disclosed by DCTT as BAD with no indication on DC Console or on bulkhead outside the affected space after 60 seconds. Fire party will then enter the space. Method of Imposing for (BAD): Primary Halon--No lifting of pneumatic switches (bad CO2 Bottle). Reserve Halon--Lifting pneumatic switches but no discharge switch (bad time delay). If watch stander attempts to open bypass valve DCTT will give valve handle to watch stander (broken valve). (GOOD scenario only) If personnel fail to activate HALON or close up the space properly as determined by the DCTT, then HALON will be BAD (DCTT props will change accordingly). The fire party shall enter the space and fight the fire. They should demonstrate their ability in hose handling, team coordination, communication, knowledge of major equipment location, and overhauling the fire. 5. When BOUNDARY DCTT is satisfied with the level of knowledge and proficiency of the fire boundary setters, he will disclose boundaries are hot for bad scenario cool for good. Method of Imposing: (Bad) Gray BUBBLE WRAP / (Good) as found 6. One investigator will transit down the escape trunk to investigate the status of HALON. The other investigator will remain on the DC Deck. They will report conditions as found to the Scene Leader and Repair Party Leader. Once the smoke and fire boundaries, OOD, Scene Leader and investigators have reported conditions of the fire, the DCA shall make the call that HALON is

4. Primary HALON activation/discharge will be: (choose)

7. Scene Leader energizes bilge sprinkling for an additional 2 minutes. At the conclusion of the 2 minute period, the Scene Leader will secure the bilge sprinkling system.

smoke from vents--OOD/ hot door--Scene Leader/ strobe light in L/L view port

(BAD) Black disk in view port/ hot boundaries/ black

GOOD/BAD.

Method of Imposing:

(GOOD) white disk in view port

NOTE: AFFF system in re-circulation; watch stander pushes appropriate buttons.

- 8. #1 HOSE DCTT will prevent #1 plug man from activating AFFF hose reel.
- 9. #2 HOSE DCTT will remove Inline Eductor hose from AFFF can before charging the hose and secure #2 hose at the FIRE PLUG AFTER #2 HOSE has been charged.
- 10. SCBA control will be maintained by the DCTT at the SCENE. all Personnel who will actually activate an SCBA.
- 11. When the team tests the agent, On Scene DCTT will disclose agent check. SAT.

Method of Imposing: AFFF - ZIP LOCK BAG WITH WHITE STYROFOAM PEANUTS.

12. When access man checks hatch for heat, On Scene DCTT will disclose a HOT hatch for bad scenario or cool for good.

Method of Imposing: (BAD) GRAY BUBBLE WRAP/ (GOOD) AS FOUND

13. As the fire party enters the space $\underline{{\tt IN}\ {\tt SPACE}}\ {\tt DCTT}\ {\tt will}\ {\tt disclose}\ {\tt smoke}\ {\tt is}$ in the space.

Method of Imposing: Smoke generator

14. When all readily visible flames have disappeared, the team leader will declare "Fire Out, Re-flash Watch Set".

Method of Imposing: RED AND BLACK RAGS BEHIND THE BACK.

15. As the team leader investigates the space for Hot Spots/Hang Fires using the NFTI, IN SPACE DCTT will disclose 1 Hot Spot(s)/Hang Fire(s).

Method of Imposing: canteen with hot water.

16. When Team Leader checks bilge for AFFF coverage. IN SPACE DCCT discloses there is a vapor lock on all bilge surfaces.

Method of Imposing: White sheet laying in bilge

17. When overhaul gear and second hose team enters the space and reaches lower level, the IN SPACE DCTT will disclose the fire is overhauled.

Method of Imposing: Team Leader will instruct hose teams how overhaul will be conducted in space. Overhaul will be complete when all bilge surfaces are vapor secured.

13. DCA orders desmoking procedures for the affected space, <u>IN SPACE DCTT</u> will determine Fire Team's knowledge of desmoking procedures as space is desmoked.

Method of Imposing: DESMOKING OF SPACE USING POSITIVE VENTILATION.

- 19. Gas Free Petty Officer will calibrate the atmospheric test gear on main deck. He will be questioned by DCTT regarding knowledge of equipment and procedures.
- 20. Once desmoking is complete, DCTT will stop drill and debrief on station.

21. SYMPTOMS

A. LEAK:

- (1) High bilge level alarm.
- (2) Low tank level alarm.
- (3) Smell of fuel/lube oil in space.
- (4) Flammable liquid in bilge.
- (5) Faulty flange/piping/flex hose/mechanical seal.

B. FIRE:

- (1) Smoke and flames in space.
- (2) Smoke and fire alarms.
- (3) Hot Hatch, Hot Bulkhead.

22. CAUSES

- A. Major lube oil leak.
- B. Major fuel oil leak.
- C. Electrical fire.

23. AUTHORIZED DISCLOSURES:

- -Lifting of sensor alarms to indicate flooding.
- 2. -Opening of F/O Unloader By-pass Vlv for loss of F/O pressure.
- 3. -Spray bottle with yellow rag indicating Fuel Oil/Lube Oil leak.
- 4. -Yellow rag on deck indicating Fuel Oil/Lube Oil on deck.
- 5. -Fire out of control: Waving red rag vigorously over head.
- 6. -Fire contained: Rags waved at waist level.
- 7. -Fire out: Rags placed behind back.
- 8. -Halon flooding indications: Activation of appropriate pressure switches.
- 9. -Dropping AFFF tank level: Using magnet/tape on sight glass.
- 10. -Hot bulkhead or door disclosed by placing bubble wrap on bulkhead or
- 11. -Rags placed in bilge for hazard being flushed to bilge.
- 12. -Alarm indications in CCS.
- 13. -Halon good indication: No disk/white disk placed at portholes.
- 14. -Halon bad indication: Black disk placed at portholes.
- 15. -Zip lock bag with purple rag indicates PKP test satisfactory.
- 16. -Zip lock bag with white styrofoam peanuts on deck for AFFF hose test.
- 17. Tap on PKP bottle for empty bottle.
- 18. -Apply stickies with handwritten notes to disclose various parameters to CCS/EDO.
- 19. -Apply strip of masking tape to locks simulated cut.
- 20. -Desmoking complete, (no actual smoke) removal of black rags on hanger.
- 21. -AFFF fake activator buttons over actual button covers.
- 22. -Halon 5LB co2 bottle prop.

- 23. AUTHORIZED SIMULATIONS: (ORM Tenet: Evaluate control options)
- -Activation or energizing firefighting equipment as briefed.
- Lightoff of SCBAs and EEBDs except as briefed.
- 3. -Maneuvering the ship to minimize smoke re-ingestion.
- 4. -Smoke observations by the OOD
- 5. -Halon 15 min. soak time.
- 6. -Fuel Oil/Lube Oil leak..
- 7. -Liquid in bilge.
- 8. -Smoke & fire symptoms.
- 9. -Electrical & mechanical isolation as briefed.
- 10. -Rake will be only overhaul gear item taken into space.
- 11. -Overhaul of space.
- 12. -Starting and stopping of engineering equipment, except as authorized by ETT/DCTT.
- 13. -Breaking of Draeger tubes.
- 14. -Open Repair Lockers 2, 3, and 5 prior to drill.
- 15. -Relaxing of FFEs and SCBA facepieces once Battle dress sat as briefed.
- 16. -Food service personnel will continue meal prep if required.
- 17. -Dewatering procedures.
- 18. -Cutting locks on spaces containing fire boundaries.
- 19. -Bolt cutters will be taped over during drill.
- 20. -Charging hoses as briefed.
- 21. -Charged hoses will be closed by taped/bungee cord by DCTT (actual casualty removed.)
- 22. -Setting positive and negative ventilation.
- 23. -CCS starting standby GTG.
- 24. -CCS watch isolation of EPCC Fuses as briefed.
- 25. -Muster non-duty section personnel.
- 26. -Fuses from fuse panels will not be pulled unless actual emergency.
 A tag will be hung indicating fuse was pulled.

OPERATIONAL RISK MANAGEMENT
- IDENTIFY HAZARDS

- ASSESS THE RISKS VS BENIFITS
 - EVALUATE CONTROL OPTIONS
 - SUPERVISE

ROUTING ITT LEADER TEAM LEADER EVALUATOR

	ETT/DCTT/CSTT/STT/MTT DATE: 79 SEP.
	EVOLUTION/DRILL DESCRIPTION
	EVALUATOR WATCH EVALUATION: TRAINING/SATISFACTORY/UNSATISFACTORY
	TRAINING TEAM EVALUATION: TRAINING/SATISFACTORY/UNSATISFACTORY
	1. CONTRARY TO COLE DIRECTIVES/INSTRUCTIONS:
	2. OTHER PROCEDURAL DEFICIENCIES NOTED:
***	Locked ablet in als afforder
	File. + Tsolchon? / Theclesh
J	3. COMMUNICATIONS: Massin 7 Zues head at in CCS Vaux Land (10-76 km)
:	SCRA- LIGHT- 8FTS INCREDITIONS
	M/T Changood confele" Viaraber! Camplete"
	4. MATERIAL:
	5. TRAINING TEAM DEFICIENCIES: H/s i. Ax Some via v/b
	Cleck Surface picking
	10.4
	6. RECOMMENDATIONS: 19/5 your boundary
	Time opposed to part to min form
2	Pla Lead C-DA in 1. 12 C ?
	SCOTT TOC 10-TOT . 1
	CHIS B FM 1577
	Cris B ma
	1865 C 11 / Sec.
	The state of the s
	Mala not effect (1521) 14min (18 min ath 500)
	Halo not effect (1521) , 4min (18 min after fire) Zelin har
	Malor not effect (1521) 14min (18 min ath 500) Zelin har
	Malor not effected (1521) 14min (18min ath 500) Zelin har Mach Isolation - Proc I - 5min (15 min)
	Halor not effect (1521) 14min (18 min after Fre) Zelin har

EVOLUTION EVALUATION	N FORM	A
	ROUTING	λ //
	со	4)
	XO	
	CDO	
	FIRE MAR	SHAL

DA'	TE: 9-21-4
DCTT	
EVOLUTION/DRILL DESCRIPTION A" IN BOSN STORE RE	oom)
WATCHSTATION/ WATCHSTANDER_ EVALUATOR 65mc 6.5 € DC 6.1	
WATCH EVALUATION: TRAINING SATISFACTURE ISFACTORY	
TRAINING TEAM EVALUATION: TRAINING (SATISFACTORY) UNSATISFACTO	RY
EVALUATOR	
1. CONTRARY TO COLE DIRECTIVES/INSTRUCTIONS: YOKE NOT CHAIN LOCKER WHICH CAUSED THE SMOKE FROM SMOKE	
TO SPREAD TO CS OFFICE AND FUB PARTS OF S	SHIP, PROMPTE
Electrician TO PUT ON HECOMET.	
2. OTHER PROCEDURAL DEFICIENCIES NOTED: SPACE NUMBER COMPLETE PLOT OF HAVE COMPLETE PLOT OF	
3. COMMUNICATIONS: SAT, GOOD From FROM SCENE TO	Locken.
4. MATERIAL: I BROKEN Clip ON FF HELMET, (Repaire)))
5. TRAINING TEAM DEFICIENCIES: NOZZIEMAN DID NOT PEC 13:0 P FOR FIRE CONTAINED, TRAINED WHICH TEAM	
6. RECOMMENDATIONS: NEXT (GOED DIZILL, TEAM LEAD TWICKER JUNE OF CHALL COCKER AFTER REALITING TO	
Set T.	

68mc (su)

ROUTING CO

and the control of th
-coo
FIRE MARSHAL
DATE: <u>9/21/99</u>
EVOLUTION/DRILL DESCRIPTION Flooring SAMPT MILEY WATCHSTATION/ WATCHSTANDER AT SEA FIRE PARTY EVALUATOR HT (En) WATCH EVALUATION: TRAINING/SATISFACTORY/UNSATISFACTORY/UNSATISFACTORY/ TRAINING TEAM EVALUATION: TRAINING/SATISFACTORY/UNSATISFACTORY/
EVALUATOR
1. CONTRARY TO COLE DIRECTIVES/INSTRUCTIONS: NO COMMAND & CONTROL BY OSL FIRE PARTY WAS SCATTLED AND LACKED DIRECTION, PLOTTING IN CCS INCOMPLETE.
2. OTHER PROCEDURAL DEFICIENCIES NOTED: Report TO CC3 of Electrical Isolation Complete (Decreical Mess To TOLL OSI & CC3)
EMU.
3. COMMUNICATIONS: MMC IN ECS OSÉ. WIFCOM NOT GOOD.
4. MATERIAL: M
5. TRAINING TEAM DEFICIENCIES: NOWE
6. RECOMMENDATIONS: HAVE MORE Flooding builts to organize Repair

EVOLUTION EVALUATION FORM ROUTING

co xo cdo

FIRE MARSHAL

DATE: 28 SEPT ØØ DCTT EVOLUTION/DRILL DESCRIPTION Class A" fire in General Workshop WATCHSTATION/ WATCHSTANDER AT SEA FIVE Party
EVALUATOR FIVE Marshal
WATCH EVALUATION: TRAINING/SATISFACTORY/UNSATISFACTORY TRAINING TEAM EVALUATION: TRAINING/SATISFACTORY/UNSATISFACTORY **EVALUATOR** 1. CONTRARY TO COLE DIRECTIVES/INSTRUCTIONS: 2. OTHER PROCEDURAL DEFICIENCIES NOTED: enroute to repair Locker were Grabbing StebA's
Primary Fire Boundaring areas 3. COMMUNICATIONS: Grea 4. MATERIAL: NONE NONE 5. TRAINING TEAM DEFICIENCIES: RECOMMENDATIONS: NONE

EVOLUTION EVALUATION FORM ROUTING X0 -CO ACTION FOR DCA IN XO POD NOTES. -CDO FIRE MARSHAL DATE: 9/30/00 DCTT EVOLUTION/DRILL DESCRIPTION CIASS "C" #1 FIREPUMP Controller WATCHSTATION/ WATCHSTANDER EVALUATOR CSMC (Su), WATCH EVALUATION: TRAINING SALISTACTORY/UNSA TRAINING TEAM EVALUATION: TRAINING (SATISFACTORY) UNSATISFACTORY **EVALUATOR** 1. CONTRARY TO COLE DIRECTIVES/INSTRUCTIONS: OOD PASSED WORD IN CONVECTIGE PASSED" CLASS C" IN FLUE PUMPADOM. SHOULD BE " CLASS" C" FIRE FLUE PLADROOM IN FI FIRETUMP Controller "Comportment # +m 4-110-0-E 2. OTHER PROCEDURAL DEFICIENCIES NOTED: Paimany FIF TEAM AT BOSON STENE WIO SCBA MASKS IN STRY 3. COMMUNICATIONS: Slow to get word 4. MATERIAL: RUPAIN THE SCHAS RESTONED WO BLING MASKS MISSING, RCO'S & CHARLED 7 MAKE JUKE THIS HAPPONS. 5. TRAINING TEAM DEFICIENCIES: NONE NOTES POD NOTE ON RESTDEATION & IMPORTANCE 6. RECOMMENDATIONS: OF RE-CHARGING SCBA CYLINDERS AFTER USE.

JEE FIRE PARTY DRILL

SPECIFIC